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Laws and Regulations

Volume 140

Summary

Legal deposit – 1st Quarter 1968
Bibliothèque nationale du Québec

Table of Contents

Page

Coming into force of Acts

Regulations and other acts

Draft Regulations

Coming into force of Acts

Gouvernement du Québec

O.C. 261-2008, 19 March 2008

An Act respecting the Centre de la francophonie des Amériques (2006, c. 57)
— Coming into force

COMING INTO FORCE of the Act respecting the Centre de la francophonie des Amériques

WHEREAS the Act respecting the Centre de la francophonie des Amériques (2006, c. 57) was assented to on 14 December 2006;

WHEREAS, under section 45 of the Act, the provisions of the Act come into force on the date or dates to be set by the Government;

WHEREAS it is expedient to set 26 March 2008 as the date of coming into force of the Act;

IT IS ORDERED, therefore, on the recommendation of the Minister responsible for Canadian Intergovernmental Affairs, Aboriginal Affairs, Francophones within Canada, the Reform of Democratic Institutions and Access to Information:

THAT the Act respecting the Centre de la francophonie des Amériques (2006, c. 57) come into force on 26 March 2008.

GÉRARD BIBEAU,
Clerk of the Conseil exécutif

8613

Regulations and other acts

Gouvernement du Québec

O.C. 293-2008, 19 March 2008

Building Act
(R.S.Q., c. B-1.1)

Construction Code
— Chapter I – Building
— Amendments

Regulation to amend the Construction Code

WHEREAS, under section 173 of the Building Act (R.S.Q., c. B-1.1), amended by section 59 of chapter 10 of the Statutes of 2005, the Régie du bâtiment du Québec is to adopt by regulation a construction code containing building standards for buildings, facilities intended for use by the public, installations independent of a building and petroleum equipment installations or their vicinity;

WHEREAS, under section 189 of the Act, a regulation of the Board is subject to approval by the Government which may approve it with or without amendment;

WHEREAS the Board adopted the Regulation to amend the Construction Code attached to this Order in Council;

WHEREAS, in accordance with sections 10 and 11 of the Regulations Act (R.S.Q., c. R-18.1), a draft of the Regulation to amend the Construction Code was published in Part 2 of the *Gazette officielle du Québec* of 11 July 2007 with a notice that it could be approved by the Government, with or without amendment, on the expiry of 45 days following that publication;

WHEREAS the comments received have been examined;

WHEREAS it is expedient to approve the Regulation with amendments;

IT IS ORDERED, therefore, on the recommendation of the Minister of Labour:

THAT the Regulation to amend the Construction Code, attached to this Order in Council, be approved.

GÉRARD BIBEAU,
Clerk of the Conseil exécutif

Regulation to amend the Construction Code*

Building Act
(R.S.Q., c. B-1.1, ss. 173, 176, 176.1, 178, 179, 185, 1st par., subpars. 3, 6.3, 7, 37 and 38, and s. 192; 2005, c.10, ss. 59, 62 and 63)

1. The Construction Code is amended by replacing Chapter I by the following:

"**CHAPTER I**
BUILDING

DIVISION I
INTERPRETATION

1.01. In this Chapter, unless the context indicates otherwise, "Code" means the "National Building Code of Canada 2005" (NRCC 47666) and the "Code national du bâtiment " Canada 2005" (CNRC 47666F), published by the Canadian Commission on Building and Fire Codes, National Research Council of Canada, as well as all subsequent amendments and later editions that may be published by that organization.

Despite the foregoing, amendments and new editions published after 17 May 2008 apply to construction work only as of the date that is the last day of the sixth month following the month of publication of the French text of the amendments or editions.

DIVISION II
APPLICATION OF THE NATIONAL BUILDING CODE

1.02. Subject to the exemptions set out in a regulation made by the Government under subparagraph 1 of the first paragraph of section 182 of the Building Act (R.S.Q., c. B-1.1), and the amendments made by this Chapter, the Code applies to all construction work to which the Act applies that is performed on a building, including its vicinity. The Code also applies to any

* The Construction Code, approved by Order in Council 953-2000 dated 26 July 2000 (2000, *G.O.* 2, 4203), was last amended by the regulation approved by Order in Council 577-2007 dated 27 June 2007 (2007, *G.O.* 2, 1953). For previous amendments, refer to the *Tableau des modifications et Index sommaire*, Québec Official Publisher, 2007, updated to 1 September 2007.

facility intended for use by the public, designated by a regulation made by the Government under subparagraph 4 of the first paragraph of section 182 of the Act.

DIVISION III
AMENDMENTS TO THE CODE

1.03. A reference in this Chapter to a standard or code is a reference to the standard or code as adopted by the Chapter of the Construction Code that refers to it.

1.04. The Code is amended

(1) by adding the following in the Table of Contents of Volume 1 after Part 9, Division B:

"**Part 10 Existing Buildings under Alteration, Maintenance or Repair**".

1.05. The Code is amended in Division A of Volume 1,

(1) in Article 1.1.1.1., by replacing Sentences (1) to (3) by the following:

"(1) The NBC applies to the construction work performed on every *building* and facility intended for use by the public as provided in section 1.02 of Chapter I of the Construction Code made pursuant to the Building Act (R.S.Q., c. B-1.1) (see Appendix A).";

(2) in Article 1.2.1.1., by replacing Clause (b) of Sentence (1) by the following:

"(b) using alternative solutions that will achieve at least the minimum level of performance required by Division B in the areas defined by the objectives and functional statements attributed to the applicable acceptable solutions approved by the Board (see Appendix A).";

(3) by adding the following after Article 1.2.2.3.:

"**1.2.2.4. Lightning Protection**

(1) Every lightning protection system shall comply with CAN/CSA-B72-M, "Installation Code for Lightning Protection Systems.";

(4) by replacing Article 1.3.3.1. by the following:

"**1.3.3.1. Application of Parts 1, 7, 8 and 10**

(1) Parts 1, 7 and 8 of Division B apply to all *buildings* covered by the NBC (see Article 1.1.1.1.).

(2) Part 10 of Division B applies to every *building* under *alteration*, maintenance or repair that has been built for not less than 5 years, in accordance with section 1.02 of Chapter I of the Construction Code made pursuant to the Building Act.";

(5) in Sentence (1) of Article 1.4.1.2.,

(a) by replacing the definition of "Authority having jurisdiction" by "*Authority having jurisdiction* means the Régie du bâtiment du Québec.";

(b) by replacing the definition of "Boiler" by "*Boiler* means an appliance, other than a direct-fired *service water heater*, for heating a liquid or transforming it into steam.";

(c) by striking out the definition of "*Constructor*";

(d) by replacing the definition of "*Grade*" by the following:

"*Grade* (as applying to the determination of *building height*) means the lowest of the average levels of finished ground when the levels are measured along each exterior wall of a *building* within 3 m from the wall, based on surveys that include any differences in level other than those providing access to the entrance door of the *building* for vehicles or pedestrians. (See *First storey*.)";

(e) by striking out the definition of "*Owner*";

(f) by inserting the following after the definition of "*Repair garage*":

"*Residential board and care occupancy* means a *care or detention occupancy* classified as Group B, Division 2 other than a hospital, an infirmary, a rehabilitation centre or a nursing home that lodges persons requiring personal-support services and needing assistance for their evacuation. (See Appendix A.)";

(g) by replacing the definition of "*Theatre*" by the following:

"*Theatre* means a place of assembly intended for public performances or viewing of plays, operas, cinematographic works or other similar performances or viewing consisting of an auditorium with permanently fixed seats intended solely for a viewing audience.";

(h) by replacing "theatrical" in the definition of "*Stage*" by "public";

(i) by replacing the definition of "Suite" by the following:

"*Suite* means a single room or series of rooms of complementary use, operated under a single tenancy, and includes *dwelling units*, individual guest rooms in motels, hotels, rooming houses and boarding houses, dormitories, single-family dwellings as well as individual stores and individual or complementary rooms for *business and personal services occupancies*. (See Appendix A.)";

(j) by adding "(See Appendix A.)" at the end of the definition of "*Alteration*";

(k) by replacing the definition of "*Occupancy*" by the following:

"*Occupancy* means the use or intended use of a *building* or part thereof.".

1.06. The Code is amended in Division B of Volume 1,

(1) in Table 1.3.1.2. of Article 1.3.1.2.,

(a) by replacing the reference:

"

ANSI/ ASHRAE	62-2001	Ventilation for Acceptable Indoor Air Quality	6.2.2.1.(1)

"

by the following reference:

"

ANSI/ ASHRAE	62.1-2004	Ventilation for Acceptable Indoor Air Quality	6.2.2.1.(1)

";

(b) by inserting the following reference:

"

BNQ	NQ 5710-500/2000	Gaz médicaux ininflammables – Réseaux de distribution des établissements fournissant des services de santé – caractéristiques et méthodes d'essais	3.7.3.1.(1)

"

after the reference:

"

AWPA	M4-02	Care of Preservative-Treated Wood Products	4.2.3.2.(2) Table 5.10.1.1.

"

(c) by replacing the reference:

“

CSA	B44-00	Safety Code for Elevators	3.2.6.7.(2) 3.5.2.1.(1) 3.5.2.1.(2) 3.5.2.1.(3) 3.5.4.2.(1) Table 4.1.5.12.

”

by the following reference:

“

CSA	B44-00[2]	Safety Code for Elevators	3.2.6.7.(2) 3.5.2.1.(1) 3.5.2.1.(2) 3.5.2.1.(3) 3.5.4.2.(1) Table 4.1.5.12.

”

(d) by replacing the reference:

“

CSA	CAN/CSA-C282-00	Emergency Electrical Power Supply for Buildings	3.2.7.5.(1)

”

by the following reference:

“

CSA	CAN/CSA-C282-05	Emergency Electrical Power Supply for Buildings	3.2.7.5.(1)

(e) by inserting the following reference:

“

CSA	CAN/CSA-Z91-02	Health and Safety Code for Suspended Equipment Operations	3.5.5.1.(1)

”

after the reference:

“

CSA	CAN/CSA-Z32-04	Electrical Safety and Electrical Systems in Health Care Facilities	3.2.7.3.(4) 3.2.7.6.(1)

”

(f) by inserting the following reference:

“

CSA	CAN3-Z271-98	Safety Code for Suspended Elevating Platforms	3.5.5.1.(1)

”

after the reference:

“

CSA	Z240.10.1-94	Site Preparation, Foundation, and Anchorage of Mobile Homes	9.15.1.3.(1) 9.23.6.3.(1)

”

(g) by striking out the following reference:

“

CSA	CAN/CSA-Z305.1-92	Nonflammable Medical Gas Piping Systems	3.7.3.1.(1)

”;

(h) by adding the following after note (1):

“(2) Reference to the edition in force under Chapter IV.”;

(2) by adding the following in the Table of Contents after Subsection 3.5.4. of Part 3 of Division B:

“3.5.5. Window Cleaning System”;

(3) by replacing Article 3.1.2.5. by the following:

“3.1.2.5. Residential Board and Care Occupancies

(1) Except as permitted by Sentences (2) to (4), every *residential board and care occupancy* with sleeping accommodation for not more than 30 persons is permitted, despite the provisions on *care or detention occupancies*, to be built in compliance with the *residential occupancy* requirements provided

(a) the *building height* is not more than 3 *storeys,*

(b) the *residential board and care occupancy* is *sprinklered* throughout (see Article 3.2.2.18.), and

(c) each sleeping room has an addressable photoelectric *smoke detector* installed in conformance with Sentence 3.2.4.11.(2).

(2) Every *residential board and care occupancy* with sleeping accommodation for not more than 16 persons is permitted, despite the provisions on *care or detention occupancies*, to be built in compliance with the *residential occupancy* requirements provided

(a) the *residential board and care occupancy* is located on the *first storey* of a *residential occupancy building* that is not more than 3 *storeys* in *building height* and has one *exit* opening directly to the exterior at ground level,

(b) where a fire alarm system is not required under Clause 3.2.4.1.(2)(i), photoelectric *smoke alarms* are installed in each corridor on each *storey* and in each sleeping room in conformance with the standards in Article 3.2.4.20. provided

(i) they are interconnected and connected to visual signal devices that allow personnel assigned to the sleeping rooms to see from where the smoke alarm is triggered, and

(ii) they are connected to the fire department or a private monitoring station,

(c) the *basement*, if it is designed for the persons lodged in the *occupancy*,

(i) has one *exit* opening directly to the exterior, and

(ii) does not have sleeping rooms, and

(d) each sleeping room door has a hold-open device designed to keep the door open at different positions, installed in conformance with Sentence 3.1.8.12.(5), unless the sleeping rooms are located in *fire compartments* conforming to the requirements of Sentences 3.3.3.5.(2) to 3.3.3.5.(8).

(3) Every *residential board and care occupancy* with sleeping accommodation for not more than 10 persons is permitted, despite the provisions on *care or detention occupancies*, to be built in compliance with the *residential occupancy* requirements provided

(a) the *building* not more than 2 *storeys* in *building height* consists of one *dwelling unit*,

(b) each *storey* designed to receive persons lodged in the *occupancy* is served by two *means of egress*,

(i) one opening directly to the exterior, and

(ii) the other leading to another *floor area* separated from adjoining spaces by a *fire separation*,

(c) photoelectric *smoke alarms* are installed in each corridor on each *storey* and in each sleeping room in conformance with the standards in Article 3.2.4.20. provided

(i) they are interconnected and connected to visual signal devices that allow personnel assigned to the sleeping rooms to see from where the *smoke alarm* is triggered, and

(ii) they are connected to the fire department or a private monitoring station, and

(d) emergency lighting is provided in all *means of egress* in conformance with Articles 3.2.7.3. and 3.2.7.4.

(4) Every convalescent home or children's custodial home with sleeping accommodation for not more than 10 persons is permitted, despite the provisions on *care or detention occupancies*, to be built in compliance with the *residential occupancy* requirements provided

(a) the persons lodged in the *occupancy* are ambulatory,

(b) the occupants live in a *building* constituting a *dwelling unit*, and

(c) each *storey* designed to receive persons lodged in the *occupancy* has two *means of egress*,

(i) one opening directly to the exterior, and

(ii) the other leading to another *floor area* separated from adjoining spaces by a *fire separation*.";

(4) in Article 3.1.4.3.,

(a) by replacing the part of Sentence (1) that precedes Clause (a) by the following:

"(1) Electrical wires and cables, telecommunication wires and cables and optical fibre cables installed in a *building* permitted to be of combustible construction shall";

(b) by replacing Subclause (i) of Clause (b) of Sentence (1) by the following:

"(i) a totally enclosed *noncombustible* raceway; a *combustible* raceway is permitted to be used provided it does not penetrate a *fire separation* for which a *fire-resistance rating* is required (see Appendix A),";

(c) by adding the following after Sentence (1):

"(2) In the case of a telecommunication cable located within a *building*, the requirements of Sentence (1) apply to the part of the cable exceeding 3 m, as measured from its point of entry into the *building*.";

(5) in Article 3.1.5.6., by adding the following after Sentence (1):

"(2) Continuous wood nailing elements for covering a roof or a bead-type copper wall are permitted in a *building* required to be of *noncombustible construction* provided they are installed directly on Type X gypsum board that is at least 15.9 mm thick.";

(6) in Article 3.1.5.12., by replacing Clause (e) of Sentence (2) by the following:

"(e) any thermal barrier other than foamed plastic insulation that meets the requirements of classification B when tested in conformance with ULC standard CAN4-S124-M, "Test for the Evaluation of Protective Coverings for Foamed Plastic" (see Appendix A).";

(7) in Article 3.1.5.16., by replacing Sentence (2) by the following:

"(2) The usef *combustible* piping is permitted

(a) for water supply, if the piping has an outside diameter not more than 30 mm, and

(b) for sprinklers in a *sprinklered floor area* in a *building* required to be of *noncombustible construction* (see also Article 3.2.5.14.).";

(8) by replacing Article 3.1.5.18. by the following:

"**3.1.5.18. Wires and Cables**

(1) Except as permitted by Article 3.1.5.19., electrical wires and cables, telecommunication wires and cables and optical fibre cables with *combustible* insulation, jackets or sheathes are permitted in a *building* required to be of *noncombustible construction* provided

(a) the wires and cables exhibit a vertical char of not more than 1.5 m when tested in conformance with the Vertical Flame Test – Cables in Cabletrough in Clause 4.11.4 of CSA C22.2 No. 0.3, "Test Methods for Electrical Wires and Cables",

(b) the wires and cables are located in

(i) totally enclosed *noncombustible* raceways (see A-3.1.4.3.(1)(b)(i)),

(ii) totally enclosed nonmetallic raceways conforming to Article 3.1.5.20.,

(iii) masonry walls,

(iv) concrete slabs, or

(v) a *service room* separated from the remainder of the *building* by a *fire separation* having a *fire-resistance rating* not less than 1 h,

(c) the wires and cables are communication cables used at the service entry to a *building* and are not more than 3 m long, or

(d) the wires and cables

(i) do not convey flame or continue to burn for more than 1 min when tested in conformance with the Vertical Flame Test in Clause 4.11.1 of CSA C22.2 No. 0.3, "Test Methods for Electrical Wires and Cables",

(ii) are located in concealed spaces within walls.

(See Appendix A.)

(2) The requirement in Clause (1)(a) is considered to be met if the wires and cables exhibit a flame-spread of not more than 1.5 m, a smoke density of not more than 0.5 at peak optical density and a smoke density not more than 0.15 at average optical density when tested in conformance with the Flame and Smoke Test described in Table 1 of Appendix A to CSA C22.2 No. 0.3, "Test Methods for Electrical Wires and Cables" (FT6 Rating).";

(9) in Article 3.1.5.20., by replacing "optical fibre cables and electrical wires and cables" in Sentence (1) by "electrical wires and cables, telecommunication wires and cables and optical fibre cables";

(10) in Article 3.1.8.11., by adding the following after Clause (d) of Sentence (2):

"(e) a sleeping room in a *residential board and care occupancy* referred to in Article 3.1.2.5. and a *public corridor* or a room adjoining the sleeping room when it is *sprinklered* or located in a *fire compartment* built in conformance with Sentences 3.3.3.5. (2) to 3.3.3.5. (8).";

(11) in Article 3.1.8.12.,

(a) by replacing "and (4)" in Sentence (1) by ", (4) and (5)";

(b) by adding the following after Sentence (4):

"(5) A hold-open device permitted by Sentence (1), installed on doors serving sleeping rooms in a *residential board and care occupancy* referred to in Sentence 3.1.2.5.(2), shall de designed to release upon a signal from a *smoke detector* or a *smoke alarm*.";

(12) in Article 3.1.9.1., by inserting "telecommunication wires and cables" after "electrical wires and cables" in Sentences (1) and (2);

(13) in Article 3.1.9.3.,

(a) by inserting ", telecommunication wires and cables" after "electrical wires and cables" in Sentence (1);

(b) by replacing Sentences (2) and (3) by the following:

"(2) Except as permitted by Sentence (3), electrical wires or cables, single or grouped, telecommunication wires and cables and optical fibre cables that are not installed in totally enclosed *noncombustible* raceways and the wire, cable or group of wires has an outside diameter of not more than 30 mm are permitted to

(a) penetrate a *fire separation* required to have a *fire-resistance rating* without being incorporated in the separation at the time of testing as required by Article 3.1.9.2, provided the *combustible* insulation, jackets or sheathes are in conformance with Clause 3.1.5.18.(1)(a),

(b) penetrate a vertical *fire separation* required to have a *fire-resistance rating*, provided the *combustible* insulation, jackets or sheathes are in conformance with Clause 3.1.5.18.(1)(d), or

(c) penetrate without passing through a horizontal *fire separation* required to have a *fire-resistance rating*, provided the *combustible* insulation, jackets or sheathes are in conformance with Clause 3.1.5.18.(1)(d).

(3) Totally enclosed nonmetallic raceways conforming to Article 3.1.5.20. and single conductor metal sheathed cables with *combustible* jacketting more than 30 mm in overall outside diameter are permitted to penetrate a *fire separation* required to have a *fire-resistance rating* without being incorporated in the separation at the time of testing as required by Article 3.1.9.2.";

(14) in Article 3.1.9.4.,

(a) by replacing the title "Combustible Piping Penetrations" by "Combustible Duct and Piping Penetrations";

(b) by replacing Sentence (2) by the following:

"(2) *Combustible* water distribution piping that has an outside diameter not more than 30 mm is permitted

(a) to penetrate a vertical *fire separation* that is required to have a *fire-resistance rating* without being incorporated in the assembly at the time of testing as required by Article 3.1.9.2., provided the piping is sealed in conformance with Clause 3.1.9.1.(1)(a), or

(b) to be embedded in a concrete floor slab that is required to have a *fire-resistance rating* without being incorporated in the slab at the time of testing as required by Article 3.1.9.2., if the concrete thickness between the *combustible* raceway and the bottom of the slab is not less than 50 mm.";

(c) by replacing the part of Sentence (4) preceding Clause (a) by the following:

"(4) *Combustible* drain, waste, vent and central vacuum cleaning system piping or a bathroom *exhaust duct* is permitted to penetrate a *fire separation* required to have a *fire-resistance rating* or a membrane that forms part of an assembly required to have a *fire-resistance rating*, provided";

(d) by striking out "and" at the end of Clause (a) of Sentence (4);

(e) by adding the following after Clause (b) of Sentence (4):

"(c) the vacuum cleaning system piping or the bathroom *exhaust duct* is serving only one *dwelling unit*.";

(15) in Article 3.1.10.7., by replacing Sentence (2) by the following:

"(2) If *buildings* are separated by a *firewall*, *combustible* projections on the exterior of one *building*, including balconies, platforms, canopies, eave projections and stairs, that

extend outward beyond the end of the *firewall* shall not be permitted within 1.2 m of the centreline of the *firewall*. (See Article 3.2.3.6.)";

(16) in Article 3.1.17.1.,

(a) by adding the following in Table 3.1.17.1. under the column Type of Use of *Floor Area* or Part Thereof, at the end of the list *Assembly uses*:

"arcades
libraries, museums and skating rinks
gymnasiums and physical fitness facilities
swimming pools
dance floors
exhibition halls and interpretation centres";

(b) by adding the following values in the Table under the column Area per person m^2, opposite

arcades: "1.85"
libraries, museums and skating rinks: "3.00"
gymnasiums and physical fitness facilities: "9.30"
swimming pools: "(2)"
dance floors: "0.40"
exhibition halls and interpretation centres: "3.00";

(c) by replacing notes (2) and (3) after the Table by the following:

"(2) The *occupant load* in a swimming pool is obtained by allowing 1.40 m^2 of water area per person in the part of the pool where the depth is 1.40 m or less, and 2.20 m^2 in the other part.

(3) See Clause 3.1.17.1(1)(b).

(4) See Note A-3.3. ";

(17) in Article 3.2.2.18.,

(a) by striking out "3.2.2.22." in Sentence (1);

(b) by replacing Sentence (2) by the following:

"(2) In a *building* having more than one *major occupancy*, if a *storey* or a *floor area* is required to have an automatic sprinkler system installed throughout in accordance with Article 3.1.2.5., Articles 3.2.2.20. to 3.2.2.83. or Section 3.3., the automatic sprinkler system shall also be installed throughout all lower *storeys* in the *building* notwithstanding permission in Articles 3.2.2.20. to 3.2.2.83. (See Appendix A.)";

(18) by replacing Article 3.2.2.22. by the following:

"**3.2.2.22. Group A, Division 1, One Storey**

(1) A *building* classified as Group A, Division 1 is permitted to conform to Sentence (2) provided

(a) the *building height* is 1 *storey*,

(b) no part of an auditorium floor is more than 5 m above or below *grade*,

(c) the *occupancy* of any space above or below the auditorium is a subsidiary *occupancy*, and

(d) the *occupant load* of the auditorium floor is not more than 300.

(2) The *building* is permitted to be of *combustible construction* if

(a) floor assemblies are *fire separations* with a *fire-resistance rating* not less than 45 min,

(b) *mezzanines* have, if of *combustible construction*, a *fire-resistance rating* not less than 45 min,

(c) the roof has a *fire-resistance rating* not less than 45 min if it is not completely *sprinklered* or *non-combustible*,

(d) *loadbearing* walls, columns and arches supporting an assembly having a *fire-resistance rating* that meets one of the following requirements:

(i) they have a *fire-resistance rating* not less than 45 min, or

(ii) they are of *noncombustible construction*, and

(*e*) *loadbearing* walls, columns and arches supporting a *fire separation* have a *fire-resistance rating* not less than that required for the *fire separation*.";

(19) by replacing Article 3.2.3.6. by the following:

"**3.2.3.6. Combustible Projections**

(1) Except for a *building* containing one or 2 *dwelling units* only, *combustible* projections on the exterior of a wall that could expose an adjacent *building* to fire spread and are more than 1 m above ground level, including balconies, platforms, canopies, eave projections and stairs, shall not be permitted within 1.2 m, calculated horizontally, of

(a) a property line,

(b) the centreline of a *public way*,

(c) any imaginary line used to determine the *limiting distance* between 2 *buildings* located on the same property.";

(20) in Article 3.2.3.20., by replacing Sentence (1) by the following:

"(1) An underground *walkway* shall not be designed or used for any purpose other than pedestrian travel unless

(a) the *walkway* is *sprinklered*,

(b) the *occupancies* are limited to *major occupancies* in Groups D and E, a restaurant or a licensed beverage establishment, and

(c) the *walkway* and spaces occupied by the *occupancies* in Clause (b) are in conformance with the requirements of this Code regarding *floor areas* and *occupancy* separation.

(See Sentence 3.8.1.2.(5) that contains requirements regarding accessibility.)";

(21) in Article 3.2.4.1., by replacing Clauses (d) and (i) of Sentence (2) by the following:

"(d) an *occupant load* more than 150, in the case of a Group A, Division 1 *building*, or 300 in other cases, except in open air seating areas,

(i) a *residential occupancy* or a *residential board and care occupancy* referred to in Article 3.1.2.5. with sleeping accommodation for more than 10 persons,";

(22) in Article 3.2.4.8.,

(a) by inserting "stair and" before "shaft" in Clause (c) of Sentence (2);

(b) by adding the following after Clause (g) of Sentence (2):

"(h) *walkway* having an *occupancy* permitted by Sentence 3.2.3.19.(1).";

(23) in Article 3.2.4.10.,

(a) by striking out "and" after "shafts," in Clause (e) of Sentence (2);

(b) by adding the following after Clause (f) of Sentence (2):

"(g) rooms or premises not intended for the public of a *building* classified as Group A, Division 1 *major occupancy*,";

(c) by adding the following after Sentence (3):

"(4) *Fire detectors* installed in rooms referred to in Clause (2)(g) shall be maximum fixed temperature and rate-of-rise *heat detectors*.";

(24) in Article 3.2.4.11., by inserting "and a *residential board and care occupancy* referred to in Article 3.1.2.5." after "*care or detention occupancy*" in Sentence (2);

(25) in Article 3.2.4.17., by adding the following after Sentence (4):

"(5) Visual signal devices connected to the alarm system shall be installed in each *dwelling unit* and in each sleeping room in a *residential occupancy*.";

(26) in Article 3.2.4.18., by replacing Sentence (4) by the following:

"(4) The fire *alarm signal* sound pressure level shall be not more than 95 dBA measured at a distance of 3 m from each audible signal device.";

(27) in Article 3.2.4.20., by replacing Sentence (1) by the following:

"(1) *Smoke alarms* conforming to CAN/ULC-S531, "Smoke-Alarms", shall be installed in each *dwelling unit* and in each sleeping room not within a *dwelling unit*, except a sleeping room in

(a) a *care or detention occupancy* required to have a fire alarm system, or

(b) a *residential board and care occupancy* referred to in Article 3.1.2.5. in which each sleeping room has a *smoke detector*.";

(28) in Article 3.2.5.9., by adding the following after Sentence (6):

"(7) The connection of a standpipe system to the potable water system shall be protected against back-siphonage or back pressure backflow in conformance with Chapter III of the Construction Code.";

(29) in Article 3.2.5.13.,

(a) by replacing Sentences (2) and (3) by the following:

"(2) Instead of the requirements of Sentence (1), NFPA 13R, "Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height", is permitted to be used for the design, construction, installation and testing of an automatic sprinkler system if the system protects

(a) a *residential occupancy* not more than 4 *storeys* in *building height* conforming to Article 3.2.2.42., 3.2.2.43., 3.2.2.45. or 3.2.2.48., or

(b) a *residential board and care occupancy* referred to in Article 3.1.2.5. with sleeping accommodation for not more than 16 persons.

(3) NFPA 13D, "Installation of Sprinkler Systems in One-and Two-Family Dwelling Units and Manufactured Homes", is permitted to be applied instead of the standard in Sentence (1) for the design, construction, installation and testing of an automatic sprinkler system if the system protects

(a) *a residential occupancy* containing not more than 2 *dwelling units*,

(b) a *residential board and care occupancy* referred to in Article 3.1.2.5. in which the occupants reside in a *building* having only one *dwelling unit* with sleeping accommodation for not more than 10 persons, or

(c) a *building* not more than 2 *storeys* in *building height* and not more than 2 *dwelling units* in which

(i) the *dwelling unit* on the *first storey* is used as *residential board and care occupancy* referred to in Article 3.1.2.5. with sleeping accommodation for not more than 10 persons,

(ii) the *basement* is designed only for the installation of mechanical or maintenance equipment for the *building* or for storage rooms for the occupants, and

(iii) the water supply capacity for the sprinkler system is not less than 30 min.";

(b) by adding the following after Sentence (8):

"(9) the connection of a sprinkler system to a potable water system shall be protected against back-siphonage or back pressure backflow in conformance with Chapter III of the Construction Code.";

(30) in Article 3.2.5.15., by adding "(see Appendix A)" after "catwalks" in Sentence (1);

(31) in Article 3.2.6.5., by replacing Clause (a) of Sentence (6) by the following:

"(a) installed in *service spaces* that do not contain other *combustible* material and separated from the remainder of the *building* by a *fire separation* having a *fire-resistance rating* not less than 1 h, or";

(32) by replacing Article 3.2.6.9. by the following:

"**3.2.6.9. Protection of Electrical Conductors**

(1) Electrical conductors used in connection with fire alarm systems and safety equipment described in Articles 3.2.6.2. to 3.2.6.8. shall be protected against fire exposure from the source of power supply to the branch circuits serving the system or equipment in conformance with Sentence (3).

(2) Electrical conductors connecting an alarm and control facility to the fire alarm control unit that are in different *fire compartments* shall be protected against fire exposure in conformance with Sentence (3).

(3) Conductors referred to in Sentences (1) and (2) shall be

(a) installed in a *service space* that does not contain other *combustible* material and separated from the remainder of the *building* by a *fire separation* having a *fire-resistance rating* not less than 1 h, or

(b) protected against fire exposure to ensure operation of the system or equipment for not less than 1 h; the protection shall be determined following testing in conformance with CAN/ULC-S101, "Fire Endurance Tests of Building Construction and Materials".";

(33) in Article 3.2.8.1., by adding the following after Sentence (3):

"(4) In a *building* of Group C *major occupancy*, the *public corridor* shall not be in an *interconnected floor space* and shall not penetrate an *interconnected floor space* to reach an *exit*.";

(34) in Article 3.2.8.2., by inserting "stairways that do not serve as *exit*," before "escalators" in Sentence (5);

(35) in Article 3.3.1.5., by inserting "and indoor ranges having an *occupant load* not more than 10 persons" after "*dwelling units*" in Sentence (1);

(36) in Article 3.3.1.12., by replacing Sentence (3) by the following:

"(3) Movable *partitions* used to separate a *public corridor* from an *assembly occupancy*, a *business and personal services occupancy*, a *mercantile occupancy* or a *low hazard industrial occupancy* need not conform to Sentence (1) and Sentences 3.3.1.11.(1) and (2), provided the *partitions* are not located in the only *means of egress*. (See Appendix A.)";

(37) in Article 3.3.1.13., by replacing Sentence (2) by the following:

"(2) A door in an *access to exit* shall be readily openable in travelling to an *exit* without requiring keys, special devices or specialized knowledge of the door opening mechanism, except that this requirement does not apply to

(a) a door serving a *contained use area* or an *impeded egress zone*, provided the locking devices conform to Sentence (6), and

(b) a door located in a corridor serving a patient's sleeping room in a facility operating a residential and long-term care centre within the meaning of section 83 of the Act respecting health services and social services (R.S.Q., c. S-4.2) if the door has an electromagnetic lock installed in conformance with Sentence 3.4.6.15.(4).";

(38) in Article 3.3.1.14.,

(a) by replacing Sentence (1) by the following:

"1) Except as provided by Sentences (2) and (3) of Article 3.3.4.7. and Subsection 3.3.2., ramps and stairways that do not serve as *exits* shall conform to the dimensional *guard*, handrail, risers number and slip-resistance requirements for *exit* ramps and stairways stated in Sentence 3.4.3.2.(8) and Articles 3.4.3.4. and 3.4.6.1. to 3.4.6.8.";

(b) by adding the following after Sentence (2):

"3) An interior stairway of less than 3 risers is permitted provided

(a) the stair is not less than 900 mm wide,

(b) the stair has a covering that contrasts with the landings covering or is permanently lit when the lighting is filtered and occupants are on the premises, and

(c) a handrail is installed on each side.";

(39) by replacing Article 3.3.1.16. by the following:

"**3.3.1.16. Curved or Spiral Stairs**

(1) Except as permitted by Sentence (2), a curved or spiral stair is permitted in a stairway not required as an *exit* under Section 3.4. provided

(a) each tread has a minimum run not less than 150 mm and an average run not less than 200 mm, and

(b) risers are in conformance with Sentence 3.4.6.7.(2).

(2) A curved or spiral stair is permitted in a stairway not accessible to the public, that is not required as an *exit* under Section 3.4. and that is located within a *dwelling unit* or in part of a *floor area* of a Group C, D, E or F, Division 2 or 3 *occupancy* provided

(a) it serves not more than 2 consecutive *floor areas* and not more than 6 persons,

(b) it has a clear width not less than 860 mm if it is adjacent to walls and not less than 760 mm in other cases,

(c) it has a run equal to not less than 225 mm measured at 500 mm from the end of the narrowest tread,

(d) risers are uniform between 125 and 200 mm, and

(*e*) the stairway between 2 *storeys* turns in the same direction.";

(40) in Article 3.3.2.4.,

(a) by replacing "Sentence (4)" in Sentence (3) by "Sentences (4) and (5)";

(b) by adding the following after Sentence (4):

"(5) The requirements of Sentence (3) for fixed seats with backs do not apply if

(a) each row has an unobstructed passage with minimum width of 400 mm required by Clause (1)(c) plus 6.1 mm for each additional seat above 16 seats in the row, and

(b) the travel distance is not more than 45 m measured along the path of travel from any seat to an *exit* or to an egress doorway.";

(41) by striking out Article 3.3.2.14.;

(42) in Article 3.3.3.1., by replacing Sentence (1) by the following:

"(1) This Subsection applies to *care or detention occupancies* other than a *residential board and care occupancy* built in conformance with Article 3.1.2.5. (See Appendix A.)";

(43) by adding the following after Article 3.3.4.7.:

"**3.3.4.8. Height of Door Sills and Window Sills**

(1) Windows and doors with sills located at more than 600 mm above the floor, another floor level or a landing shall be conform to Articles 9.6.4.1. and 9.7.1.5.";

(44) in Article 3.3.5.4., by replacing "The" in Sentence (5) by "Except as permitted by Clause 3.8.2.2.(4)(c), the";

(45) by adding the following after Article 3.3.5.9.:

"**3.3.5.10. Flat Roofs for Heliports**

(1) A flat roof used for landing a helicopter shall comply with the requirements of Articles 2.13.1.1. to 2.13.2.2. of the NFC.";

(46) in Article 3.4.2.1.,

(a) by replacing Sentence (2) by the following:

"(2) Every *floor area* or part of a *floor area* located at not more than 1 *storey* above or below the *first storey* is permitted to be served by one *exit*, provided

(a) the *occupant load* having access to the *exit* is not more than 60,

(b) the *exit* leads directly to the exterior and is separate from any other *exit* serving the other *storeys*,

(c) the *floor area* or part of the *floor area* and the travel distance are not more than the values in Table 3.4.2.1.A. if the *floor area* is not *sprinklered* throughout, and

(d) if the *floor area* is *sprinklered* throughout,

(i) the travel distance is not more than 25 m,

(ii) the *floor area* or part of the *floor area* is not more than the value in Table 3.4.2.1.B.

(See Appendix A.)";

(b) by striking out "from a *floor area* classified as Group B or Group C *occupancy*" in Sentence (3);

(47) in Article 3.4.4.4., by inserting "telecommunication wires and cables," in Clause (b) of Sentence (1) after "electrical wires and cables,";

(48) in Article 3.4.6.2., by replacing "3.3.2.14.(1)" in Sentence (1) by "3.3.1.14.(3)";

(49) in Article 3.4.6.15.,

(a) by replacing Clauses (e) and (g) of Sentence (4) by the following:

"(e) except as permitted by Sentence (5), the locking device is permitted to be released by

(i) a force of not more than 90 N applied to the door opening hardware that initiates an irreversible process that will release the locking device within 15 s and not relock until the door has been opened; or

(ii) in the case of a *building* or part of a *building* used by a facility operating a residential and long-term care centre, by a manual pull station installed within 0.5 m of each door equipped with such a mechanism and on which the following notice is written, in letters at least 15 mm high with lines at least 3 mm wide, in contrasting colours:

In case of fire, the door may be opened by activating the manual pull station located
(left or right depending on the location of the station);

(g) the *exit* door, equipped with the unlocking device described in Subclause 3.4.6.15.(4)(e)(i), has a permanent sign in letters at least 15 mm high with lines at least 3 mm wide, in contrasting colours, indicating that the locking device will release within 15 s of applying pressure to the door-opening hardware.";

(b) by replacing Sentence (5) by the following:

"(5) The release of the unlocking device in Subclause (4)(e)(i) may be delayed not more than 3 s within the 15 s for the opening of the door provided a visual sign informs the occupants that they must push on the door-opening hardware for not less than 3 s.

(6) The lock installed on the principal entrance door of a *building* of *residential occupancy* containing more than one *suite* shall have a device

(a) permitting its automatic unlocking when an *alarm signal* is triggered, and

(b) designed to leave the door unlocked during the entire time the *alarm signal* is sounding in the *building*.

(7) Door hardware for the operation of the doors referred to in this Section shall be installed at a height not more than 1,200 mm above the finished floor.";

(50) in Article 3.5.1.1., by replacing "and dumbwaiters" in Sentence (1) by ", dumbwaiters and window cleaning systems";

(51) in Article 3.5.2.1., by adding the following after Sentence (3):

"(4) Every passenger elevator shall have a voice synthesizer announcing the storeys served installed in conformance with Appendix E of CAN/CSA-B44, "Safety Code for Elevators".";

(52) in Article 3.5.4.1.,

(a) by replacing "If" in Sentence (1) by "Except as permitted by Sentence (3), if";

(b) by adding the following after Sentence (2):

"(3) An elevator serving a *building* not more than 3 *storeys* and not more than 600 m^2 is permitted to have dimensions that are less than the dimensions in Sentence (1) without being less than the dimensions required in Appendix E of CAN/CSA-B44, "Safety Code for Elevators", provided it

(a) serves an *occupancy* other than a Group B, Division 2 *occupancy*, and

(b) is not described to in Article 3.3.1.7.";

(53) by adding the following Subsection after Article 3.5.4.2.:

"**3.5.5. Window Cleaning Systems**

3.5.5.1. Referenced Standards

(1) Every window cleaning system shall conform to

(a) CAN/CSA-Z91, "Health and Safety Code for Suspended Equipment Operations", and

(b) CAN3-Z271, "Safety Code for Suspended Elevating Platforms".";

(54) in Article 3.6.3.4., by replacing Clause (b) of Sentence (1) by the following:

"(b) the individual *fire compartments* shall not have individual fans that exhaust directly into the *exhaust duct*, except if the fans have a connection that extends upward at least 500 mm into the *exhaust duct*.";

(55) in Article 3.6.4.3., by replacing Subclause (ii) of Clause (a) of Sentence (1) by the following:

"(ii) electrical wires and cables, telecommunication wires and cables and optical fibre cables that exhibit a vertical char not more than 1.5 m when tested in conformance with the Vertical Flame Test in Article 4.11.4. of CSA-C22.2 No. 0.3, "Test Methods for Electrical Wires and Cables", or that meet the conditions in Sentence 3.1.5.18. (2),";

(56) in Article 3.7.2.2.,

(a) by striking out Sentence (2);

(b) by replacing "Except as permitted by Sentence (2), if" in Sentence (3) by "If";

(c) by replacing Sentence (4) by the following:

"(4) A single water closet shall be permitted to be installed for both sexes if

(a) the *occupant load* determined for one of the *occupancies* described in Sentence (6), (10), (12), (13), (14) or (16) is not more than 10,

(b) the total area used for an art gallery or a Group E *occupancy* is not more than 250 m^2,

(c) the *occupant load* in a facility where courses are given or in a restaurant is not more than 25, or

(d) the number of children in a day care centre is not more than 15.";

(d) by adding the following after Sentence (16):

"(17) Except as permitted by Section 3.8., the required water closets shall be located

(a) at not more than one *storey* above or below the *storey* containing the persons who require the fixtures, or

(b) at such a distance that no person shall be required to walk more than 60 m to reach the facilities in the case of a restaurant or a licensed beverage establishment.";

(57) in Article 3.7.2.7., by adding the following after Sentence (1):

"(2) A cemented or paved floor or part of floor that is below ground level shall have a floor drain in its lower part or shall drain towards such a floor drain.

(3) A paved garage attached or adjacent to a *building* shall be equipped with a sump or retention pit used as a floor drain.";

(58) by replacing Article 3.7.3.1. by the following:

"**3.7.3.1. Medical Gas Piping**

(1) A non-flammable medical gas piping system shall be installed in conformance with NQ 5710-500, "Gaz médicaux ininflammables – Réseaux de distribution des établissements fournissant des services de santé – caractéristiques et méthodes d'essais".";

(59) in Article 3.8.1.1.,

(a) by replacing Clause (a) of Sentence (1) by the following:

"(a) houses, including semi-detached houses, duplexes, triplexes, town houses, row houses, boarding houses and rooming houses with not more than 10 rooms,";

(b) by replacing "*buildings*" in Clause (c) of Sentence (1) by "*industrial occupancies*";

(60) in Article 3.8.1.2., by replacing Sentence (1) by the following:

"(1) In addition to the *barrier-free* entrances required by Sentence (2), not less than 50% of the pedestrian entrances, including the principal entrance, except service entrances, shall be *barrier-free* and shall lead from

(a) the outdoors at sidewalk level, or

(b) a ramp that conforms to Article 3.8.3.4. and leads from a sidewalk.";

(61) in Article 3.8.1.3., by replacing Sentence (1) by the following:

"(1) Except as required elsewhere in this Part or as permitted by Article 3.8.3.3. pertaining to doorways, any *barrier-free* path of travel shall

(a) have an unobstructed width of not less than 920 mm, and

(b) have a manoeuvring area of 1, 500 mm in diameter on each side of any door opening onto a *suite* referred to in Article 3.8.2.4.";

(62) in Article 3.8.1.4., by inserting "and be located not more than 45 m from the escalator" after "level" at the end of Sentence (1);

(63) in Article 3.8.1.5., by striking out ", that are intended to be operated by the occupant and are located in or adjacent to a *barrier-free* path of travel" in Sentence (1);

(64) in Article 3.8.2.1.,

(a) by replacing "or other platform-equipped passenger-elevating device" in Sentence (1) by "platform-equipped passenger-elevating device or ramps that shall conform to Clause 3.4.6.6.(1)(a)";

(b) by replacing Clause (g) of Sentence (2) by the following:

"(g) to floor levels not served by a passenger elevator, a platform-equipped passenger-elevating device, an escalator, an inclined moving walk or a ramp that shall conform to Clause 3.4.6.6.(1)(a),";

(c) by replacing Clause (k) of Sentence (2) by the following:

"(k) within a *suite* of *residential occupancy* not referred to in Article 3.8.2.4.,";

(65) in Article 3.8.2.2.,

(a) by striking out "(See Appendix A.)" at the end of Sentence (1);

(b) by replacing Sentence (3) by the following:

"(3) If a *barrier-free* path of travel is required for a parking area of 25 spaces or more, at least 1% of the parking spaces, with a minimum of one space, shall

(a) conform to Sentence (4), and

(b) be located, in the parking area, as near as possible to the closest *barrier-free* entrance of the *building*.

(4) Each *barrier-free* parking space shall

(a) have a width not less than 2,400 mm,

(b) have a side aisle not less than 1,500 mm, parallel to the entire length of the space, indicated by contrasting marking; the aisle is permitted to be shared by 2 parking spaces, and

(c) have a clear height of not less than 2,300 mm at the pull-up space and along the vehicle access and egress routes in the case of an indoor parking area.

(5) An exterior passenger loading zone shall have

(a) an access aisle not less than 1,500 mm wide and 6,000 mm long, adjacent and parallel to the vehicle pull-up space,

(b) a curb ramp, where there are curbs between the access aisle and the vehicle pull-up space, and

(c) a clear height of not less than 2,750 mm at the pull-up space and along the vehicle access and egress routes.";

(66) in Article 3.8.2.3.,

(a) by replacing Sentence (2) by the following:

"(2) A washroom need not conform to the requirements of Sentence (1) provided

(a) the washroom is located within a *suite* of *residential occupancy*,

(b) the washroom is located within a *suite* not more than 250 m^2 and other *barrier-free* washrooms are provided on the same *floor area* within 45 m, or

(c) the *suite* has not less than one *barrier-free* washroom on the same *floor area*.";

(b) by replacing "for *dwelling units* only" in Clause (b) of Sentence (3) by "located in *dwelling units*";

(c) by replacing Sentence (4) by the following:

"(4) Universal toilet rooms conforming to Article 3.8.3.12. are permitted to be provided in lieu of facilities for persons with physical disabilities in washrooms used by the general public conforming to Articles 3.8.3.8. to 3.8.3.11.";

(67) by adding the following after Article 3.8.2.3.:

"**3.8.2.4. Hotels and Motels**

(1) At least 10% of the *suites* of a hotel or motel shall

(a) have a *barrier-free* path of travel extending to the inside of each room and to the balcony, where applicable, and

(b) be distributed evenly among *storeys* having a *barrier-free* path of travel.

(2) Every *suite* having a *barrier-free* path of travel as required by Sentence (1) shall have a bathroom that

(a) conforms to Clauses 3.8.3.12.(1)(a) to (i),

(b) has an unobstructed area not less than 1,200 mm in diameter extending the full height of the room; a door is permitted to open inward if it does not reduce the unobstructed area,

(c) has a bathtub conforming to Article 3.8.3.17. or a shower conforming to Article 3.8.3.13., and

(d) has a towel rod located not higher than 1,200 mm from the floor so as to be easily accessible by a person in a wheelchair.

(3) Every closet in such a *suite* shall

(a) have an open space not less than 1,500 mm in diameter in front of the door,

(b) have a door that opens to its full width, and

(c) have a rod located not more than 1,300 m from the floor.";

(68) in Article 3.8.3.1.,

(a) by replacing ", elevator or parking space" in Sentence (2) by "or elevator";

(b) by adding the following after Sentence (4):

"(5) Parking designed to be *barrier-free* shall be designated by a P-150-5 sign standardized by the Minister of Transportation where section 308 of the Highway Safety Code so requires. (See Appendix A.)";

(69) in Article 3.8.3.2., by adding the following after Sentence (1):

"(2) If an exterior walk that is part of a *barrier-free* path of travel measures more than 30 m long, it shall include sections not less than 1,500 mm wide by 2,000 mm long at intervals not more than 30 m.";

(70) in Article 3.8.3.3.,

(a) by striking out "(See Appendix A.)" in Sentence (2);

(b) by replacing Sentence (4) by the following:

"(4) A threshold for a doorway described in Sentences (1) and (2) shall be,

(a) except as permitted by Clause (b), not more than 13 mm higher than the finished floor and bevelled, and

(b) in the case of a threshold for a doorway giving access to a balcony, not more than 75 mm higher than the finished floor.";

(c) by inserting ", including the interior door of a vestibule referred to in Article 3.8.1.2. and every door of a vestibule leading from a *barrier-free* interior parking area to an elevator," after "3.8.1.2." in the text preceding Clause (5)(a);

(71) in Article 3.8.3.4., by replacing Clause (a) of Sentence (1) by the following:

"(a) have an unobstructed width not less than 870 mm between two handrails and not more than 920 mm, if the ramp does not reduce the required width of a *means of egress*,";

(72) in Article 3.8.3.5., by adding the following after Sentence (1):

"(2) Every passenger-elevating device shall conform to the following requirements:

(a) each landing door shall have an electric opening mechanism when it is required under Sentence 3.8.3.3.(5),

(b) every control device shall be operable by hand pressure, and

(c) every device travelling vertically shall have a platform not less than 800 mm by 1,500 mm; if the exit need to be at right-angle, the dimension of the platform shall be sufficient for a wheelchair to turn.";

(73) in Article 3.8.3.8., by replacing Subclause (iii) of Clause (b) of Sentence (1) by the following:

"(iii) swings outward, unless an unobstructed area not less than 1,200 mm in diameter is provided within the stall (see Appendix A),";

(74) in Article 3.8.3.11.,

(a) by striking out Subclause (ii) of Clause (c) of Sentence (1);

(b) by replacing "205" in Subclause (iii) of Clause (c) of Sentence (1) by "280";

(75) in Article 3.8.3.12., by replacing Subclause (iii) of Clause (b) of Sentence (1) by the following:

"(iii) if it is an outward swinging door, a delayed action door closer so that the door closes automatically and that a door closer is not required under 3.1.8.11.,";

(76) in Article 3.8.3.14.,

(a) by replacing "Except as permitted in Sentence (4), the" in Sentence (3) by "The";

(b) by striking out Sentence (4);

(77) by replacing Article 3.8.3.17. by the following:

"**3.8.3.17. Bathtubs**

(1) Every *barrier-free* bathtub shall

(a) have a clear floor space not less than 800 by 1,500 mm along its full length,

(b) have a slip-resistant surface on the bottom,

(c) have a rim that is between 400 and 460 mm above the floor,

(d) have no doors,

(e) have faucets conforming to Clause 3.8.3.13.(1)(g),

(f) have a hand-held shower head equipped with

(i) a diverter valve that can be operated with a closed fist by a seated person,

(ii) a flexible hose not less than 1,800 mm long, and

(iii) a bracket enabling a seated person to use the hand-held shower head as a fixed shower head,

(g) have a soap holder that conforms to Clause 3.8.3.13.(1)(i), and

(h) have 2 grab bars having a finish that prevents hands from slipping and that

(i) can resist a load of 1.3 kN,

(ii) have a section between 30 and 40 mm in diameter,

(iii) measure not less than 1,200 mm long,

(iv) are installed with a clearance between 35 and 45 mm from the wall,

(v) in the case of one grab bar, is installed horizontally between 180 and 280 mm above the rim of the bathtub and lengthwise, and

(vi) in the case of the other grab bar, is installed vertically near the faucets, on the access side of the bathtub so that the lower end is between 180 and 280 mm above the bathtub rim.";

(78) in Table 3.9.1.1. of Article 3.9.1.1.,

(a) by adding the following at the end of Sentence 3.1.8.12.(4):

"

(5)	[F03-OP1.2]
	[F03-OS1.2]

";

(b) by striking out ", Sprinklered" in the title of Article 3.2.2.22.;

(c) by striking out Sentence 3.2.2.22.(1);

(d) by replacing the last two lines of Sentence 3.2.2.22.(2) by the following:

"

	(b), (c), (d) [F04-OP1.3]
	(b), (c), (d) [F04-OS1.3]

";

(e) by adding the following in Sentence 3.2.3.20.(1):

“

	[F03-OP1.2]
	[F03-OS1.2]

”;

(f) by adding the following after Sentence 3.2.4.10.(3):

“

(4)	[F11-OS1.5]

”;

(g) by adding the following after Sentence 3.2.5.9.(6):

“

(7)	[F46-OH2.2]

”;

(h) by adding the following after Sentence 3.2.5.13.(8):

“

(9)	[F46-OH2.2]

”;

(i) by adding the following after Sentence 3.2.6.9.(2):

“

(3)	[F06-OP1.2]
	[F06-OS1.2]

”;

(j) by adding the following after Sentence 3.2.8.1.(1):

“

(4)	[F10, F12-OS1.5]

”;

(k) by adding the following after Article 3.3.1.13.:

“

3.3.1.14. Ramps and Stairways	
3)	[F30-OS3.1]

”;

(l) by striking out Article 3.3.2.14.;

(m) by replacing Sentence 3.4.6.15.(5) by the following:

“

(6)	[F12-OS1.5]
	[F12-OP1.2]
(7)	[F10-OS3.7]
	[F73-OA1]

”;

(n) by adding the following after Sentence 3.5.2.1.(3):

“

(4)	[F73 -OA1]

”;

(o) by adding the following after Article 3.5.4.2.:

“

3.5.5.1. Referenced Standards	
(1)	[F30, F81-OS3.1] [F30-OS2.3]

”;

(p) by adding the following after Sentence 3.7.2.7.(1):

“

(2)	[F30-OS3.1]
	[F40-OH2.4]
(3)	[F30-OS3.1]
	[F40-OH2.4]

”;

(q) by replacing Sentence 3.8.2.2.(3) by the following:

“

(3)	(b) [F73-OA1]
(4)	[F73-OA1]
(5)	(a) [F74-OA2]
	(b) [F73-OA1]
	(c) [F74-OA2]

”;

(r) by adding the following after Article 3.8.2.3.:

“

3.8.2.4. Hotels and Motels	
(1)	[F73-OA1]
(2)	[F74-OA2]
(3)	[F74-OA2]

”;

(s) by adding the following after Sentence 3.8.3.1.(4):

“

(5)	[F73 -OA1]

”;

(t) by adding the following after Sentence 3.8.3.2.(1):

“

(2)	[F73 -OA1]

”;

(u) by adding the following after Sentence 3.8.3.5.(1):

“

(2)	(a) [F73-OA1]
	(b) [F74-OA2]
	(c) [F73-OA1]

”;

(v) by adding the following after Article 3.8.3.16.:

“

3.8.3.17. Bathtubs	
(1)	[F74-OA2]

”;

(79) in Article 4.2.5.8., by adding “(See Appendix A.)” after Sentence (2);

(80) by replacing Article 6.2.2.1. by the following:

“**6.2.2.1. Required Ventilation**

(1) All *buildings* shall be ventilated in accordance with this Part.

(2) Except in *storage garages* covered by Article 6.2.2.3., *dwelling units* and corridors covered by Article 6.2.2.8., ventilation systems that supply outdoor air to *buildings* shall

(a) have rates that are not less than the rates required by ANSI/ASHRAE-62.1, Ventilation for Acceptable Indoor Air Quality, or

(b) be installed in conformance with one of the methods in that standard.

(3) The installation shall be verified and tested to ensure that the difference between the air flow rate measured and the rate prescribed by the *designer* does not exceed 10% and a report must be drawn up to record the air flow rate measured and the corresponding air flow rate for each outlet grill, diffuser, outdoor air intake, used air outlet and ventilation system indicated on the plans given to the owner.”;

(81) in Article 6.2.2.6., by replacing Sentence (1) by the following:

“(1) Except as required by Sentence 3.6.3.1.(1) and Article 3.6.4.2., ventilation systems shall be designed, constructed and installed to conform to NFPA-96, Ventilation Control and Fire Protection of Commercial Cooking Operations, in the following cases:

(a) the cooking equipment, except a microwave oven, a food-warmer or a toaster, is of a commercial type; and

(b) the cooking equipment is listed according to the applicable manufacturing standard as a residential type and is used for cooking or heating food for 9 persons.";

(82) by adding the following after Article 6.2.2.7.:

"**6.2.2.8. Dwelling Units**

(1) This Article applies to the ventilation of *dwelling units* and corridors serving the *dwelling units*.

(2) Ventilation of all other *occupancies*, rooms and spaces of *residential occupancies* shall conform to Part 6.

(3) Self-contained mechanical ventilation system that serve only one *dwelling unit* and that conform to Subsection 9.32.3. are deemed to conform to this Article.

(4) *Dwelling units* and corridors serving the *dwelling units* shall be mechanically ventilated.

(5) Stair wells serving *dwelling units* need not be ventilated unless such ventilation is required by other parts of this Code.

(6) Mechanical ventilation systems of *dwelling units* shall include

(a) a main ventilation system, and

(b) additional exhaust fans.

(7) The main ventilation system of *dwelling units* shall include

(a) a used air outlet located inside the *dwelling unit*, and

(b) air outlets that allow the supply of outdoor air to the *dwelling unit*.

(8) The main ventilation system of the *dwelling unit* shall be operated by a manual switch located in the living-room of the *dwelling unit* and marked **VENTILATION FAN**.

(9) The main ventilation system of the *dwelling unit* shall not be in operation when all the manual controls are in the off position.

(10) The main ventilation system of the *dwelling unit* shall have the operating exhaust capacity indicated in Table 9.32.3.3.

(11) The outdoor air supply ventilation system shall have a rated capacity equal to plus or minus 10% of the actual normal operating exhaust capacity of the exhaust ventilation system.

(12) The air intake and air outlets of the main ventilation system of a *dwelling unit* shall be installed in the ceiling or in a wall, not less than 2 m above the floor, and be designed and installed to promote air diffusion at the ceiling level.

(13) Outdoor air admitted shall be heated to not less than 12°C before it reaches living areas.

(14) Outdoor air shall be supplied to the *dwelling units* by a network of main and secondary *supply ducts* that conform to the requirements of Articles 9.32.3.5.(10) and 9.32.3.5.(11).

(15) Measures shall be taken to ensure free circulation of the air from one room to another, in particular by providing spaces under the doors or by doors with tilted louvers or grilles.

(16) A range hood with a rated capacity not less than 50 L/s shall be installed in the kitchen.

(17) An exhaust ventilation fan having a rated capacity not less than 25 L/s shall be installed in a bathroom or washroom.

(18) Article 9.32.3.8. shall apply to all *dwelling units* that

(a) have a *space-heating appliance* or a combustion *storage-type service water heater* of a type other than a direct ventilation or a forced ventilation, and

(b) are located in regions where soil gas emissions are a problem and are not equipped with an active system for attenuating gas fumes.

(19) Corridors serving *dwelling units* shall be ventilated mechanically with an outdoor air supply system at an air exchange rate of 0.3 per hour.";

(83) in Article 6.2.3.15., by replacing Sentence (2) by the following:

"(2) Fans and associated air-handling equipment such as air washers, filters, heating or cooling units, shall be

(a) of a type designed for outdoor use, when installed on the roof or elsewhere outside the *building,* and

(b) equipped with a nameplate of a contrasting colour that is easily accessible and that indicates the features of the equipment.";

(84) in Article 6.2.6.1., by replacing "construction, installation and *alteration*" in Sentence (1) by "construction and installation";

(85) by striking out Article 6.3.1.4.;

(86) in Table 6.4.1.1. of Article 6.4.1.1.,

(a) by adding the following after Sentence 6.2.2.1.(2):

"

(3)	[F81 –OH1.1]

";

(b) by adding the following after Article 6.2.2.7.:

"

6.2.2.8. Dwelling Units	
(4)	[F40, F50, F52-OH1.1] [F51, F52-OH1.2]
	[F40, F50, F53-OS3.4]
(6)	[F40, F50, F52-OH1.1] [F51, F52-OH1.2]
(7)	[F40, F50, F52-OH1.1] [F51, F52-OH1.2]
(8)	[F81-OH1.1]
(9)	[F81-OH1.1]
(10)	[F40, F50, F52-OH1.1] [F51, F52-OH1.2]
(11)	[F43, F50, F53-OS3.4]
	[F53-OH1.1]
	[F53, F63-OS2.3]
(12)	[F40-OH1.1] [F51, F54-OH1.2]
(13)	[F51, F54-OH1.2]
(14)	[F40, F50, F52-OH1.1]
(15)	[F40, F50, F52-OH1.1]
(16)	[F40, F52-OH1.1]
(17)	[F40, F52-OH1.1]
(18)	[F53-OH1.1]
(19)	[F40, F50, F52-OH1.1] [F51, F52-OH1.2]
	[F40, F50, F53-OS3.4]

";

(c) by striking out Article 6.3.1.4.;

(87) by striking out Article 7.1.1.2.;

(88) by striking out Articles 8.2.3.3. to 8.2.3.5.;

(89) by striking out Subsections 8.2.4. and 8.2.5.;

(90) by striking out Sentences 8.2.3.3.(1) to 8.2.5.4.(1) in Table 8.3.1.1. of Article 8.3.1.1.;

(91) in Article 9.3.1.3., by replacing Sentence (1) by the following:

"(1) Concrete in contact with *soil* or with an aggregate backfill likely to produce sulfates deleterious to normal cement shall meet the requirements of Clause 15.5 of CSA-A23.1, "Concrete Materials and Methods of Concrete Construction", or be adequately protected against sulfatizing by another means of protection. (See note A-9.13.2.1.(3).)";

(92) in Article 9.7.1.5., by replacing Sentences (1) and (2) by the following:

"(1) Except as provided in Sentence (2), every openable window in a *residential occupancy* shall be protected by

(a) a *guard* installed in accordance with Section 9.8, or

(b) a mechanism capable of blocking the free swinging or sliding of the window and limit vertically or horizontally the opening to not more than 100 mm.

(2) Windows need not be protected according to Sentence (1) where

(a) the window sill is located not less than 900 mm above the finished floor on the inside of the room, or

(b) the floor level, under the window, is located not more than 600 mm above another floor or the ground located on the other side of the window.";

(93) in Article 9.8.3.1.,

(a) by replacing the title by the following:

"**Straight, Curved or Spiral Runs in Stairs**";

(b) by inserting "and stairs not accessible to the public in other *occupancies*" after "*dwelling units*" in Sentence (2);

(c) by inserting "or spiral" after "curved" in Clause (b) of Sentence (2);

(94) in Article 9.8.3.2.,

(a) by replacing Sentence (1) by the following:

"1) "Except as provided in Sentence (2), at least 3 risers shall be provided in interior flights, except for stairs within a *dwelling unit*.";

(b) by adding the following after Sentence (1):

"(2) An interior stair may have less than 3 risers provided

(a) the stair is not less than 900 mm wide,

(b) the stair has a covering that contrasts with the landings covering or is permanently lit when the lighting is filtered and occupants are on the premises, and

(c) a handrail is installed on each side.";

(95) in Article 9.8.4.5.,

(a) by replacing "Individual" in the part of Sentence (1) preceding Clause (a) by "Except as provided in Sentences (3) and (4), individual";

(b) by replacing "Where" in Sentence (2) by "Except as provided in Sentences (3) and (4), where";

(c) by adding the following after Sentence (2):

"(3) Winders in an exterior spiral stair serving not more than two *dwelling units* per *floor area* and not constituting the only *means of egress* of a *dwelling unit* shall

(a) have a clear width between 760 mm and 860 mm,

(b) have equal runs not less than 225 mm when measured 500 mm from the narrower end, and

(c) turn in the same direction between two *storeys*.

(4) Winders of spiral stairs not accessible to the public, located within a *dwelling unit* or that are not a required *exit* in part of a *floor area* that has another *occupancy* serving not more than 2 consecutive *floor areas* and not more than 6 persons, shall

(a) have a clear width not less than 860 mm if adjacent to walls and not less than 760 mm in other cases,

(b) have equal runs not less than 225 mm measured 500 mm from the narrower end, and

(c) turn in the same direction between two *storeys*.";

(96) in Article 9.8.8.1., by adding the following after Clause (c) of Sentence (2):

"(d) for interior stairs of a *dwelling unit* serving a *basement* designed only for the installation of mechanical or maintenance equipment of the *building*, if each open side of the stairs is equipped with a handrail.";

(97) in Article 9.9.4.2., by replacing "adjacent *floor area* or from another *exit*" in Sentence (1) by "*floor area* or from another adjacent *exit*";

(98) by inserting ", 9.9.8.2.(2)" after "9.9.7.4.(1)" in the title of Table 9.9.7.4.;

(99) in Article 9.9.8.2., by replacing Sentence (2) by the following:

"(2) Except as provided in Subsection 9.9.9., a single *exit* is permitted from every *floor area* or part of a *floor area* located not more than one *storey* above or below the *first storey* if

(a) the *occupant load* having access to the *exit* is not more than 60,

(b) the *exit* leads directly to the exterior and is separate from any other *exit* serving the other *storeys*, and

(c) the *floor area* or part of the *floor area* and the travel distance are not more than the values in Table 9.9.7.3.";

(100) in Article 9.9.8.5., by replacing Sentence (5) by the following:

"(5) If *exit* stairs open into a lobby, the stairs shall be isolated from the lobby by a *fire separation* that conforms to Sentence 9.9.4.2.(1).

(6) Passenger elevators shall be permitted to open into the lobby provided the elevator doors are designed to remain closed except while loading and unloading passengers.";

(101) in Article 9.10.2.1., by replacing "Except as provided in Article 9.10.2.2., every" in Sentence (1) by "Every";

(102) by striking out Article 9.10.2.2.;

(103) in Article 9.10.9.6., by replacing Sentences (4) and (9) by the following:

"(4) Electrical wires and cables, telecommunication wires and cables and optical fibre cables, single or grouped, having an overall diameter not more than 30 mm, with *combustible* jacketing that is not totally enclosed in raceways of *noncombustible* material, are permitted to partly or wholly penetrate an assembly required to have a *fire-resistance rating* without being incorporated in the assembly at the time of testing as required by Sentence (2).

(9) *Combustible* piping for central vacuum systems or a bathroom *exhaust duct* not more than 100 mm in diameter is permitted to penetrate a *fire separation* provided the installation conforms to the requirements that apply to *combustible* drain, waste and vent piping specified in Sentences 9.10.9.7.(2) to (6).";

(104) in Article 9.10.9.7., by adding the following after Sentence (6):

"(7) Water distribution piping is permitted to be embedded in a concrete slab required to have a *fire-resistance rating* without being incorporated in the slab at the time of testing as required by Article 3.1.9.2., if the concrete thickness between the *combustible* piping and the bottom of the slab is not less than 50 mm.";

(105) in Article 9.10.9.18., by replacing Sentence (2) by the following:

"(2) Individual *fire compartments* referred to in Sentence (1) shall not be equipped with individual fans that exhaust directly into the *exhaust duct* unless the fans have upward extensions that reach not less than 500 mm into the *exhaust duct* located in the *vertical service space*.";

(106) in Article 9.13.2.1., by replacing Sentence (3) by the following:

"(3) Floors in detached garages and floors in unenclosed portions of *buildings* need not be dampproofed (see Appendix A).";

(107) in Article 9.13.2.7., by replacing Sentence (2) by the following:

"(2) Dampproofing membranes installed below the floor shall conform to Article 9.13.4.2. and ensure soil gas control in conformance with Subsection 9.13.4.";

(108) in Article 9.13.4.1.,

(a) by replacing Sentence (1) by the following:

"(1) Except as provided in Sentence (2), all wall, roof and floor assemblies in contact with the ground shall be constructed to resist the leakage of *soil* gas from the ground into a *building* built at a location where it is recognized that *soil* gas emanations present a danger for the healthiness and safety of *buildings* (see Appendix A).";

(b) by replacing Sentence (2) by the following:

"(2) Construction to prevent the leakage of *soil* gas into the *building* is not required for garages and unenclosed portions of *buildings*.";

(c) by replacing Sentence (4) by the following:

"(4) Where *soil* gas control is required, the protection to prevent its leakage must

(a) be made of the membrane referred to in Sentence 9.13.2.7.(2) and be installed according to Articles 9.13.4.5. and 9.13.4.7., and

(b) where the *building* contains a single *dwelling unit* only, be equipped with a subfloor depressurization system installed according to Article 9.13.4.6.";

(See Appendix A.)";

(109) in Article 9.13.4.2., by adding "(See Appendix A-9.13.2.1.(3).)" at the end of Sentence (1);

(110) in Article 9.13.4.6., by replacing "*building owner*" in Sentence (7) by "*contractor*";

(111) in Article 9.14.6.3., by replacing Sentence (1) by the following:

"(1) If a window well is drained to the *foundation* footing or other suitable location of a *building*, the drain shall be oriented towards the *foundation* drainage system.";

(112) in Article 9.16.2.1., by replacing Sentence (2) by the following:

"(2) Granular material need not be installed under

(a) slabs in garages detached from a *building*, carports or accessory *buildings*, or

(b) an *industrial occupancy* where the nature of the process contained therein permits or requires the use of large openings in the *building* envelope even during the winter.";

(113) in Article 9.16.2.2., by replacing "(See also Article 9.4.4.4. and A-9.4.4.4.(1) in Appendix A" in Sentence (1) by "(See Appendix A, Article 9.4.4.4. and notes A-4.2.5.8. and A-9.4.4.4.(1).)";

(114) in Article 9.31.6.1., by replacing Sentence (1) by the following:

"(1) Where a hot water supply is required by Article 9.31.4.2., equipment shall

(a) ensure an adequate supply of service hot water, and

(b) be installed in conformance with Chapter III of the Construction Code.";

(115) in Article 9.31.6.2., by inserting "combustion *storage-type*" before "*service water heaters*" in Sentence (3);

(116) in Article 9.32.3.3., by striking out "except as permitted by Article 9.32.3.6.," in Clause (1)(b);

(117) by striking out Article 9.32.3.6.;

(118) in Article 9.34.1.5.,

(a) by inserting ", telecommunication wires and cables and optical fibre cables" after "cables" in Sentence (1);

(b) by inserting", telecommunication wires and cables and optical fibre cables" after "cables" in Sentence (2);

(119) in Article 9.35.2.2, by replacing Sentence (1) by the following:

"(1) The floor of an interior garage or a garage attached to a *dwelling unit* shall drain into a sump or a retention pit used as a floor drain.";

(120) in Table 9.36.1.1. of Article 9.36.1.1.,

(a) by replacing "and curved" in the title of Article 9.8.3.1. by ", curved or spiral";

(b) by adding the following after Sentence 9.8.4.5.(2):

"

(3)	[F30-OS3.1] [F10-OS3.7]
(4)	[F30-OS3.1] [F10-OS3.7]

";

(c) by replacing Sentence 9.9.8.5.(5) by the following:

"

(5)	[F12, F10, F05, F06-OS1.5]
(6)	[F05-OS1.5]

";

(d) by striking out Article 9.32.3.6.;

(121) by adding the following after Part 9:

"PART 10

Existing Buildings under Alteration, Maintenance or Repair

PART 10

Existing Buildings under Alteration, Maintenance or Repair

Section 10.1 General

10.1.1. Application

10.1.1.1. Application

(1) The application of this Part shall be as described in Article 1.3.3.1. of Division A.

10.1.1.2. Definitions

(1) Words in italics are defined in Section 1.4 of Division A.

Section 10.2. Application Conditions

10.2.1. Calculation of Building Height

10.2.1.1. Determination of the First Storey

(1) For the purposes of this Part, the reference level for determining the *first storey* used to establish the *building height* or to determine if a *building* is a high building, shall be

(a) the *grade*,

(b) the average finished ground level differences around the *building*, excluding entrances, or

(c) the level of the ground adjacent to the existing principal entrance for any *building* built before 1 December 1977, unless an *alteration* modifies more than 50% of the *floor areas* of the *building* and the *alteration* involves the change of its structural elements when rebuilding.

10.2.2. Provisions Applicable to Maintenance, Repair or Alteration Work

10.2.2.1. Maintenance or Repair Work

(1) Maintenance or repair work on a *building*, part of a *building*, or an element thereof, and on an appliance, equipment, system, or facility covered by this Code shall be performed so as to maintain or restore it in good condition without altering its characteristics or functions.

10.2.2.2. Alterations

(1) The Code applies

(a) except as provided in Sentence (2) and the provisions of this Part, to every *alteration* of a *building* or part of a *building*, including the design and construction work (foundation, erection, renovation, modification or demolition work) performed for that purpose,

(b) in the provisions of this Part, to every element, appliance, system, facility, equipment or unaltered portion of a *building* or part of a *building*.

(2) The Code applies to a change in *occupancy* for which there is no alteration work and where such a change involves

(a) an increase in the *occupant load*, as determined in conformance with Subsection 3.1.17.,

(b) a Group A, B, C, E, or F, Division 1 or 2 *occupancy*, or

(c) a *building* becoming a high *building*, as determined in conformance with Subsection 3.2.6.

(3) For the purposes of this Part,

(a) the retrofitting of a *floor area* or part of a *floor area* is considered a major *alteration* if it involves altering the majority of the elements and components of the walls, ceilings and floors, renders the alarm or sprinkler system inoperative or renders the *means of egress* unusable, and

(b) any other retrofitting of a *floor area* or part of a *floor area* is considered a minor *alteration*.

(See Appendix A.)

Section 10.3. Fire Protection, Occupant Safety and Accessibility

10.3.1. General

10.3.1.1. Separation of Major Occupancies

(1) A *fire separation* that separates the altered part from another *occupancy* shall have a *fire-resistance rating* determined according to Subsection 3.1.7. and conform to Article 3.1.3.1.; the *fire-resistance rating* measured on the unaltered side may be

(a) less than the required *fire-resistance rating*, without being less than 45 min if the *fire separation* between the two *occupancies* must have a *fire-resistance rating* of more than one hour, or

(b) less than 45 min in the case of a *fire separation* having a *fire-resistance rating* not less than one hour or in the case of a minor *alteration*.

10.3.1.2. Combustible and Noncombustible Construction

(1) The provisions of Subsections 3.1.4. and 3.1.5. for the protection of foamed plastic insulation apply to the unaltered elements of a *building* or part of a *building* under *alteration* and to the unaltered elements of any *means of egress* of the *building*.

10.3.1.3. Interior Finish

(1) Except in the case of a minor *alteration*, the provisions of Subsection 3.1.13. concerning the *flame-spread rating* apply to the unaltered interior finish of ceilings and the upper half of the walls of every *access to exit* corridor from the *access to exit* door serving a part of the *building* under *alteration* to the nearest *exit*, provided

(a) the *flame-spread rating* exceeds 75, and

(b) the *alteration* involves an increase in the *occupant load* as determined in conformance with Subsection 3.1.17.

10.3.2. Building Fire Safety

10.3.2.1. Noncombustibility of Buildings

(1) Except as provided in Sentence (2), the provisions of this Code requiring a *noncombustible construction* for a *building* having a *building height* equal to that of the uppermost *storey* where the *alteration* is being carried out, apply, in the altered part, to the unaltered *combustible* elements of a *building* required to be of *noncombustible construction*, except in the case of a minor *alteration* or provided

(a) the *floor area* where the altered part is located and the *storeys* located below are equipped with a sprinkler system conforming to Articles 3.2.5.13. to 3.2.5.15.; a sprinkler system is not required for the *storey* below having an *occupancy* other than a Group B, Division 2 *occupancy* or a Group F, Division 1 *occupancy* if the floor of the altered part forms a *fire separation* having a *fire-resistance rating* at least equal to the *fire-resistance rating* required for the *floor area* of the *storey* below in conformance with Articles 3.3.3.1. and 3.2.2.20. to 3.2.2.83., and

(b) the *building* is equipped with a fire alarm and detection system conforming to Subsection 3.2.4.

(2) The provisions of this Code requiring a *noncombustible construction* also apply to the unaltered *combustible* elements of a *building* required to be of *noncombustible construction* provided

(a) the *floor area* is increased during an *alteration* by more than 10% of the *floor area* or 150 m^2, except if

(i) the altered *floor area* and the *storeys* located below are equipped with a sprinkler system conforming to Articles 3.2.5.13. to 3.2.5.15., and

(ii) the *building* is equipped with a fire alarm and detection system conforming to Subsection 3.2.4., and

(b) the *building height* is increased, except if the *building* is equipped with

(i) a sprinkler system conforming to Articles 3.2.5.13. to 3.2.5.15., and

(ii) a fire alarm and detection system conforming to Subsection 3.2.4.

(3) If the Code requires both *noncombustible construction* and a sprinkler system, the design and installation of the sprinkler system shall conform to Chapters 4 and 5 of NFPA 13, "Installation of Sprinkler Systems", for a level of risk higher than the level established in that standard for the intended *occupancy*.

10.3.2.2. Construction and Protection of Buildings

(1) Except as provided in Sentences (2) and (3), when an *alteration* increases the level of the requirements of Subsection 3.2.2. following a change of *occupancy* or an increase in the *building height* or *floor area*, the requirements of Subsection 3.2.2. concerning the construction and protection of *buildings* in relation to their *occupancies* and dimensions that apply to the part under *alteration* also apply to

(a) any other adjacent part that is not separated from the altered part by a *fire separation* having a *fire-resistance rating* at least equal to the *fire-resistance rating* required for the floors under Subsection 3.2.2., and

(b) the *storey* below the altered part when

(i) the altered part must be *sprinklered*, and

(ii) the *fire-resistance rating* of the *fire separation*, between the altered part and the *floor area* below, is less than the *fire-resistance rating* required in conformance with Articles 3.1.3.1. and 3.2.2.20. to 3.2.2.83., if the *building* need not be *sprinklered*; the *fire-resistance rating* is permitted to be limited to the part of the floor and to the structural elements supporting the altered part, if the latter is separated from the remainder of the *floor area* in accordance with Clause (a).

(2) During a major *alteration*, if the provisions concerning the installation of a sprinkler system in Subsection 3.2.2. apply to the *alteration*, the provisions also apply to an adjacent part of a building that is not separated from the altered part by a *fire separation* having a *fire-resistance rating* at least equal to the *fire-resistance rating* required for the floors under Subsection 3.2.2.

(3) The provisions concerning the installation of a sprinkler system under Subsection 3.2.2. do not apply to the *alteration* of a *building* or a part of a *building* not equipped with such a system, in the following cases:

(a) the increase in *floor area* during an *alteration* is not more than 10% of the *building area* or 150 m^2,

(b) the work carried out is a minor *alteration* within the meaning of Sentence 10.2.2.2.(3),

(c) for a *noncombustible building*, when the work carried out does not require the *noncombustibility* of the *building* or *floor area* under *alteration,*

(d) for the *alteration* of a *noncombustible building* containing an *occupancy* other than a Group B, Division 2 or Group F, Division 1 *occupancy*, by limiting the *building height* to that of the uppermost *storey* where the *alteration* is being carried out and for which a sprinkler system would not be required,

(e) for the *alteration* of a *combustible building* containing an *occupancy* other than a Group B, Division 2 or Group F, Division 1 *occupancy*, by limiting the *building height* to that of the uppermost *storey* where the *alteration* is being carried out and for which a sprinkler system is not required if the *occupant load*, determined according to Subsection 3.1.17. for the intended *occupancy*, is not more than 60, or

(f) except in the case of a high *building* or a Group B, Division 2 or a Group F, Division 1 *occupancy*, during a major *alteration* if the *fire-resistance rating* of the floors, walls, columns and support arches of the altered *floor area* conform to the *fire-resistance rating* required under Articles 3.1.3.1 and 3.2.2.20. to 3.2.2.83.

10.3.2.3. Spatial Separation and Exposure Protection

(1) The provisions of Subsection 3.2.3. for spatial separation and exposure protection apply in the case of an *alteration*, to the modification of any existing part of an *exposing building face*, if the modification results in

(a) an increase in the surface of the openings beyond the limit referred to in Sentence 3.2.3.1.(1) for *unprotected openings,*

(b) a reduction in the *limiting distance*, or

(c) a reduction in the resistance to fire.

(2) When a *building* or part of a *building* is under *alteration*, a *party wall* that is not built as a *firewall* shall

(a) conform to the provisions of Subsection 3.1.10. for the construction of a *firewall* from the ground up, if the height of the *party wall* has been increased, except as provided in Clause (b), and

(b) have a *fire-resistance rating* not less than 2 h on the altered side and ensure smoke-tightness from the floor of the altered part to the underface of the floor or roof located above the *alteration*.

10.3.2.4. Fire Alarm and Detection Systems

(1) For an *alteration*, Subsection 3.2.4. covering fire alarm and detection systems applies to the *building* that is not equipped with such a system and any part of a system that is not electrically supervised and equipped with separate zone indicators if the alteration results in

(a) an increase in the *occupant load*, in the altered part, that exceeds the *occupant load* stated in Sentence 3.2.4.1.(2),

(b) a new Group A, B, C, E, or F, Division 1 or 2 *occupancy*,

(c) an increase in the *building area* by more than 10% or 150 m^2,

(d) an increase in the number of *storeys*, or

(e) an alteration that constitutes a major *alteration* within the meaning of Sentence 10.2.2.2.(3).

(2) This Section does not apply to a voice communication system, except in the case of an increase in the number of *storeys.*

10.3.2.5. Provisions for Firefighting

(1) The provisions of Articles 3.2.5.7. to 3.2.5.19. apply to the unaltered part of a sprinkler system or standpipe system, where the *alteration* of a *building* or part of a *building* increases *building height* or *floor area* by more than 10% of the *building area* or more than 150 m^2, except if the system

(a) has a fire department connection,

(b) is of the wet pipe type in the heated parts of the *building*, and

(c) has an approved booster pump capable of providing the pressure required by NFPA 13, "Installation of Sprinkler Systems", or NFPA 14, "Installation of Standpipe and Hose Systems", when the water pressure in the system is lower than that pressure, except as provided in Sentence (2).

(2) The residual water pressure at the topmost hose connection of a standpipe system of a *building* referred to in Clause (1)(c) is permitted to be less than the pressure required by NFPA 14, "Installation of Standpipe and Hose Systems", but not lower than 207 kPa if the requirement in Clause 3.2.5.9.(5)(c*)* is met.

10.3.2.6. Additional Requirements for High Buildings

(1) Except as provided in Sentence (2), Subsection 3.2.6. covering additional requirements for high *buildings* applies to a high *building* in accordance with Part 3 that is under an *alteration* that results in

(a) a change of *occupancy* so that it becomes a Group B or C *building*,

(b) an increase in *building height*, or

(c) an alteration of more than 50% of the *floor areas* for a reconstruction.

(2) This Subsection also applies to the entire *building* that becomes a high *building* following an *alteration* resulting in

(a) a change of *occupancy* of the *building*, or

(b) an increase in *building height*, except if the increase is not more than 4 m and its *floor area* is not more than 10% of the area of the *storey* located immediately below without exceeding 150 m^2.

(3) Sentence 3.2.6.5.(2) does not apply to an elevator modified to become an elevator for use by firefighters.

10.3.2.7. Emergency Power for Firefighting

(1) The provisions of Clause 3.2.7.9.(1)(b) covering emergency power for water supply apply to an existing fire pump if an *alteration* results in an increase in *building height*.

10.3.3. Safety Within Floor Areas

10.3.3.1. Access to Exit

(1) The provisions of Section 3.3. covering *access to exit* apply to every unaltered *access to exit* serving part of a *floor area* under *alteration* provided

(a) the unobstructed height is not more than 1,900 mm,

(b) the unobstructed width is not more than 760 mm in the case of a corridor covered in Sentence 3.3.1.9.(2),

(c) the length of dead-end corridors exceeds

(i) 6 m for a *residential occupancy*, except as provided in Sentences (2) and (3), or

(ii) 12 m for Groups A, D, E and F, Divisions 2 and 3, *occupancies*, and

(d) the separation of the corridors from the remainder of the *building* is not smoke-tight.

(2) A *public corridor* covered in Subclause (1)(c)(i) that is located in a *residential occupancy* other than a hotel or motel is permitted, when the *fire separation* of the corridor has a *fire-resistance rating* of not less than 45 min, to have a dead-end part not exceeding 12 m provided

(a) the doors of the *dwelling units* have

(i) a self-closing mechanism and they do not lock automatically, and

(ii) a smoke barrier around them,

(b) the corridor has *smoke detectors* connected to a fire alarm system installed as required by Subsection 3.2.4., and

(c) the *floor area* is *sprinklered* throughout as required by Articles 3.2.5.13. to 3.2.5.15., except if the *building* has a *building height* of not more than 4 *storeys* and each *dwelling unit* has a balcony accessible to the fire department.

(3) A *public corridor* covered in Subclause (1)(c)(i) that is located in a *residential occupancy* other than a hotel or motel is permitted, when the *fire separation* of the corridor has a *fire-resistance rating* of not less than 1 h, to have a dead-end part not exceeding 15 m provided

(a) the doors of the *dwelling units* have

(i) a self-closing mechanism and they do not lock automatically, and

(ii) a smoke barrier around them,

(b) the corridor has *smoke detectors* connected to a fire alarm system installed as required by Subsection 3.2.4., and

(c) the *floor area* is *sprinklered* throughout, as required by Articles 3.2.5.13. to 3.2.5.15., except if the *building* has a *building height* not more than 6 *storeys* and each *dwelling unit* has a balcony accessible to the fire department.

10.3.3.2. Separation of Suites

(1) In the case of the *alteration* of a *suite*, the *fire separation* separating the *suite* from any other unaltered *suite* or room shall have a *fire-resistance rating* determined according to Subsection 3.1.7. and comply with Article 3.3.1.1; the *fire-resistance rating* on the unaltered side is permitted to be less than the required *fire-resistance rating*.

10.3.3.3. Barrier-Free Floor Areas

(1) Except in the case of a minor *alteration*, any part of an unaltered *floor area* on a *storey* under *alteration* shall comply with Article 3.3.1.7., if the room or part of the *floor area* accessible by elevator must be *barrier-free* as required by Article 10.3.8.1.

10.3.4. Exit Requirements

10.3.4.1. Dimensions and Protection of Exits and Exit Stairs

(1) Except in the case of a minor *alteration*, any unaltered *exit* required to serve a *floor area* or part of a *floor area* under *alteration* shall

(a) have a minimum unobstructed width not less than 760 mm (see Appendix A), and

(b) subject to Sentences (2) and (3), be separated from the remainder of the *building* by a *fire separation* with a *fire-resistance rating* not less than 45 min for a *building* not more than 3 *storeys* in *building height* and not less than 1 h for other *buildings*.

(2) In a school, an unaltered stairway required as an *exit* to serve a *floor area* or part of a *floor area* under *alteration* need not have the *fire separation* required in Clause (1)(b) provided

(a) the *alteration* work will not increase the requirements for the *means of egress*,

(*b*) the *building* is not more than 3 *storeys* in *building height*,

(c) half of the required *exits* are separated from the remainder of the *building* by a *fire separation* having a *fire-resistance rating* required by this Code,

(d) it is not necessary to pass through it to reach another *exit* required when the *occupant load* is more than 60,

(e) any corridor or room opening onto it is separated from it by a *fire separation* having a *fire-resistance rating* not less than 45 min and any door opening onto it has a self-closing mechanism, a latching mechanism and, if it is kept opened, an electromagnetic device connected to the alarm system, and

(f) any corridor or room opening onto it has *smoke detectors* that must be placed near the openings on the stairway.

(3) An unaltered stairway required as an *exit* to serve a *floor area* or a part of a *floor area* under *alteration* need not have the *fire separation* required in Clause (1)(b) provided

(a) the *alteration* work will not increase the requirements for the *means of egress*,

(b) it is used to connect the *first storey* with the *storey* above or below but not both,

(c) the *floor areas* it connects serve any *occupancy* other than a Group A, B or C *occupancy*,

(d) half of the *exits* required are separated from the remainder of the *building* by a *fire separation* having a *fire-resistance rating* required by this Code and they lead directly to the exterior,

(e) the travel distance to the exterior *exit* door on the *first storey* is not more than 15 m,

(f) the *building* has an alarm system that conforms to Subsection 3.2.4., and

(g) a *smoke detector* is located above the uppermost flight of stairs.

10.3.4.2. Direction of Door Swing

(1) The provisions of Article 3.4.6.11. covering the direction of an *exit* door swing apply to every unaltered exterior *exit* door serving a *floor area* or part of a *floor area* of an *occupancy* other that a Group F, Division 1 *occupancy* that is under *alteration*, except if

(a) the *exit* door opens directly onto a *public way*, independently from any other *exit* when it serves only one *floor area* or part of a *floor area* under an *occupant load* determined according to Subsection 3.1.17., not more than

(i) 40 persons when there is only one *exit* door, or

(ii) 60 persons when there is one *exit* door and a second *means of egress*, or

(b) the *exit* door serves not more than 30 persons in a *building* not more than 18 m in *building height* and

(i) it opens directly onto a step, a *public way* or an obstacle which reduces its required minimum width and it is located not more than 1.5 m above the *public way*, and

(ii) the occupants have access to a second *means of egress*.

10.3.4.3. Curved Exit Stairs

(1) A curved or spiral *exit* stair that is not under *alteration* but that is used to serve a *floor area* or part of a *floor area* under *alteration* shall

(a) comply with Article 10.3.4.1., and

(b) not serve a day care centre or a *residential board and care occupancy*.

10.3.5. Vertical Transportation

10.3.5.1. Exclusion

(1) Article 3.5.4.1. covering the inside dimensions of elevator cars does not apply to a facility under alteration.

10.3.6. Service Facilities

10.3.6.1. Service Rooms and Vertical Service Spaces

(1) The provisions of Subsections 3.6.2. and 3.6.3. apply during an *alteration* other than a minor *alteration* to an unaltered *service room* located on a *floor area* or part of a *floor area* and to an unaltered *vertical service space* passing through it, except if the room or space is separated from the remainder of the *building* by a *fire separation* having a *fire-resistance rating* not less than

(a) 2 h for any room containing combustion *appliances*, located in a Group B or F, Division 1 *occupancy building* that is more than 2 *storeys* in *building height* or that has a *building area* more than 400 m^2,

(b) 1 h for any other *service room* or a linen chute or refuse chute, or

(c) 45 min for any other *vertical service space*.

10.3.7. Health Requirements

10.3.7.1. Plumbing Facilities

(1) An unaltered plumbing facility serving part of a *building* under *alteration* shall meet the requirements of Subsection 3.7.2. when the *alteration* involves an increase in *occupant load* by more than 25.

10.3.8. Barrier-Free Design

10.3.8.1. General

(1) When a *building* does not have *barrier-free* access, section 3.8. covering *barrier-free* design does not apply to the *building* or part of the *building* under *alteration*, provided

(a) the work involves

(i) a service facility other than a vertical transportation facility for which a *barrier-free* path of travel is required by Article 10.3.8.2., or

(ii) a *floor area* or *suite* occupied by not more than 60 persons or that has an area not more than 250 m^2,

(b) the *floor area* served by a pedestrian entrance

(i) cannot be accessed from the *public way* by an external ramp built in conformance with Article 10.3.8.4., without encroaching on that way,

(ii) is located more than 900 mm from the *public way* level, or

(iii) is located more than 600 mm from the entrance level, and

(c) the difference in levels between the floor of the pedestrian entrance and the floor of the elevator is more than 600 mm, when the part of the *floor area* under *alteration* can be accessed by an elevator.

10.3.8.2. Areas Requiring Barrier-Free Paths of Travel

(1) When the application of Section 3.8. is not excluded by Sentence 10.3.8.1.(1), Sentence 3.8.2.1.(1) applies in the part of the *building* not under *alteration* only to the path of travel required to connect

(a) at least one pedestrian entrance to

(i) the *floor area* or part of a *floor area* under *alteration* and to at least one existing elevator serving it where applicable, or

(ii) an existing outdoor parking area serving the *building*, and

(b) the *floor area* or part of a *floor area* under *alteration* to at least one accessible washroom, when there is no other accessible washroom in the altered part.

10.3.8.3. Washroom

(1) In the case referred to in Clause 10.3.8.2.(1)(b), when a washroom located in the unaltered part of a *floor area* must be made accessible, it shall conform to Article 3.8.2.3.

10.3.8.4. Ramps

(1) Any ramp in a *barrier-free* path of travel required by Article 10.3.8.2. is permitted, despite the requirement of Article 3.8.3.4., to have a slope that does not exceed

(a) 1:8 if the length of the ramp is not more than 3 m, or

(b) 1:10 in all other cases.

Section 10.4. Structural Design

10.4.1. Structural Loads and Procedures

10.4.1.1. General

(1) Except as provided in Article 10.4.1.2., the provisions of Part 4 covering structural design apply to any *floor area* or part of a *floor area*, structural element, roof and *foundation* of a *building* not under *alteration* when an *alteration* requires modification to maintain stability, resistance or structural integrity.

10.4.1.2. Live Loads

(1) The *live load* required by Article 4.1.5.3. does not apply to an *alteration* to a *floor area* used as an office and located on the *first storey* of a *building*, or to such a *floor area* used for a wholesale and retail business, provided

(a) the *live loads* applied to the existing areas have a value of not less than 2.4 kPa, and

(b) the *alteration* of the existing areas does not result in an increase in their *live loads* or *dead loads*.

10.4.1.3. Live Loads Due to Earthquakes

(1) Where a *building* is under *alteration*, its capacity to resist seismic loads shall comply with the following conditions:

(a) it must not be reduced by the *alteration*,

(b) except for *buildings* having a structure designed in conformance with the seismic design requirements of the 1995 NBC or Chapter I of the Québec Construction Code, approved by Order in Council 953-2000 dated 26 July 2000, it must be increased to not less than 60% of the seismic protection level that would be prescribed according to Part 4 if the *alteration* results in

(i) more than 25 % of all the *floor areas* undergoing gutting or a major *alteration*, in the case of a *post-disaster building*,

(ii) the resistance system of lateral loads being modified by the *alteration*, or

(iii) the mass of the *building* being increased by more than 5%.

(2) In the case of *post-disaster buildings*, where Clause (1)(b) applies to *alteration*__work, the requirements of Article 4.1.8.17. covering anchorage of non-structural elements and components listed in Table 4.1.8.17. shall be verified and brought into conformance in the case of elements and components that would likely interfere with the post-disaster function of the *building* in case of failure.

Section 10.5. Environmental Separation

10.5.1. Exclusion

10.5.1.1. Change of Occupancy

(1) Despite Sentence 10.2.2.2.(2), Part 5 covering environmental separation does not apply to materials, components, assemblies and *air barrier systems* for any change in *occupancy* that does not involve modification work affecting the separation between the two different environments.

Section 10.6. Heating, Ventilating and Air-conditioning

10.6.1. General

10.6.1.1. Natural Ventilation

(1) Articles 6.2.2.1. and 6.2.2.2. covering natural ventilation do not apply to rooms and spaces under *alteration* if they have windows that open with an unobstructed surface for ventilation equal to not less than 5% of the floor area of the rooms or spaces.

Section 10.7. Plumbing Services

10.7.1. General

10.7.1.1. Plumbing Systems

(1) Part 7, which covers plumbing services, applies to an unaltered *plumbing system* if an *alteration* requires modification to the system to ensure its conformance with health requirements or its operation.

Section 10.8. Safety Measures at Construction and Demolition Sites

10.8.1. General

10.8.1.1. Application

(1) Part 8, which covers safety measures at construction and demolition sites, applies to an existing part of a *building* if the *alteration* or demolition work requires modification of the part of the *building*, or modification of the operation of the appliances or equipment it contains, to ensure public safety.

Section 10.9. Housing and Small Buildings

10.9.1. Structural Design Requirements and Barrier-Free Design

10.9.1.1. Application

(1) Subsection 9.4.1., which covers the design of structural elements and their connections, applies only in the cases and to the extent referred to in Subsection 10.4.1.

(2) Subsection 9.5.2., which covers the *barrier-free* design, applies only in the cases and to the extent referred to in Subsection 10.3.8.

10.9.2. Means of Egress

10.9.2.1. Dimensions of Means of Egress and Direction of Door Swing

(1) The provisions of Article 9.9.1.1. covering the dimensions of stairs that are part of a *means of egress* and Subsection 9.9.3. covering the dimensions of a *means of egress* apply to every unaltered *means of egress* that serves a part of a *building* under *alteration*, if the *exit* or *access to exit* has a minimal unobstructed width not more than 760 mm.

(2) Sentence 9.9.6.5.(3) covering the direction of door swing of an *exit* applies to every unaltered exterior *exit* door that serves a *floor area* or part of a *floor area* under *alteration*, unless the door opens directly on a *public way*, independently of any other *exit*, and serves only one *floor area* or part of a *floor area* that has an *occupant load* as determined in conformance with Subsection 3.1.17. not more than

(a) 40, when there is only one *exit* door, or

(b) 60, when there is one *exit* door and a second *means of egress*.

10.9.2.2. Fire Protection of Exits and Separation of Public Corridors

(1) The provisions of Subsection 9.9.4. covering the fire protection of *exits* apply to every unaltered *exit* serving a *floor area* or part of a *floor area* under *alteration* that is not separated from the remainder of the *building* by a *fire separation* having a *fire-resistance rating* not less than 45 min.

(2) Except as provided in Articles 10.9.2.3. and 10.9.3.2., the provisions of Sections 9.9. and 9.10. covering *public corridors* apply to every unaltered *public corridor* serving a *floor area* or part of a *floor area* under *alteration*, if

(a) its unobstructed height is not more than 1,900 mm,

(b) its unobstructed width is not more than 760 mm,

(c) its dead-end length exceeds

(i) 6 m in the case of a *residential occupancy*, except as provided in Sentence (3), or

(ii) 12 m for Group D, E and F, Division 2 and 3 *occupancies*, and

(d) the separation of the corridor from the remainder of the *building* is not smoke-tight.

(3) A *public corridor* referred to in Subclause (2)(c)(i) located in a *residential occupancy* other than a hotel or motel is permitted, when the *fire separation* of the corridor has a *fire-resistance rating* not less than 45 min, to have a dead-end part not exceeding 12 m provided

(a) the door of each *dwelling unit* has a self-closing device and does not lock automatically,

(b) the corridor has *smoke detectors* connected to the fire alarm system, installed as required by Subsection 3.2.4., and

(c) the *floor area* is *sprinklered* throughout, as required by Articles 3.2.5.13. to 3.2.5.15., except if each *dwelling unit* has a balcony accessible to the fire department.

10.9.2.3. Flame Spread Limits in Means of Egress

(1) The provisions of Subsection 9.10.17. covering flame spread limits apply to the unaltered interior finish of ceilings and the upper half of walls of every *public corridor*, from the *access to exit* door of the part under *alteration* to the nearest *exit*, provided

(a) the *flame-spread rating* exceeds 75, and

(b) the *alteration* involves an increase in *occupant load*, as determined in Subsection 3.1.17.

10.9.3. Fire Protection

10.9.3.1. Spatial Separation and Exposure Protection

(1) The provisions of Subsection 9.10.14. covering spatial separations do not apply to an *alteration* to any existing part of an *exposing building face*, unless the *alteration* results in

(a) an increase of the opening surfaces beyond the limit referred to in Sentence 9.10.14.4.(1), for *unprotected openings*,

(b) a reduction of the *limiting distance*, or

(c) a reduction of resistance to fire.

(2) When a *building* or part of a *building* is under *alteration*, any *party wall* that is not built as a *firewall* shall,

(a) except as provided in Clause (b), have a *fire-resistance rating* not less than 2 h on the altered side and ensure smoke-tightness from the floor of the altered part to the underface of the floor or roof located above the *alteration*, and

(b) for an increase in height, conform to Subsection 9.10.11. for the construction of a *firewall* from the ground up.

10.9.3.2. Fire Alarm and Detection Systems

(1) Subsection 9.10.18. covering fire alarm and detection systems under *alteration* does not apply to a *building* not equipped with such a system, unless the *alteration* results in

(a) an increase in the *occupant load* in the altered part,

(b) a new Group C, E, or F, Division 2 *occupancy*,

(c) an increase in the *building area* by more than 10%, or

(d) an increase in the number of *storeys.*

(2) This Subsection applies to any unaltered part of a fire alarm and detection system if the system is not electrically supervised and equipped with separate zone indicators.

Section 10.10. Objectives and Functional Statements

10.10.1. Objectives and Functional Statements

10.10.1.1. Attribution to Acceptable Solutions

(1) For the purposes of compliance with the NBC as required by Clause 1.2.1.1.(1)(b) of Division A, the objectives and functional statements attributed to the acceptable solutions in this Part shall be the objectives and functional statements listed in Table 10.10.1.1. (See Note A-1.1.2.1.(1) in Appendix A.)

Table 10.10.1.1.

Objectives and Functional Statements
Attributed to the Acceptable Solutions in Part 10
Forming Part of Sentence 10.10.1.1.(1)

Acceptable Solutions	Objectives and Functional Statements[1]
10.3.1.1. Separation of Major Occupancies	
(1)	See Sentences 3.1.7.1.(1) to 3.1.7.5.(3) of Table 3.9.1.1.
	See Article 3.1.3.1. of Table 3.9.1.1.
10.3.1.2. Combustible and Noncombustible Construction	
(1)	See Sentences 3.1.4.1.(2) to 3.1.5.1.(1) of Table 3.9.1.1.
10.3.1.3. Interior Finish	
(1)	See Sentences 3.1.13.2.(1) to 3.1.13.10.(1) of Table 3.9.1.1.
10.3.2.1. Noncombustibility of Buildings	
(1)	See Sentences 3.2.2.20.(2) to 3.2.2.81.(1) of Table 3.9.1.1.
(2)	See Sentences 3.2.2.20.(2) to 3.2.2.81.(1) of Table 3.9.1.1.
(3)	See Sentences 3.2.2.20.(2) to 3.2.2.81.(1) of Table 3.9.1.1.
10.3.2.2. Construction and Protection of Buildings	
(1)	See Sentences 3.2.2.20.(2) to 3.2.2.81.(1) of Table 3.9.1.1.
(2)	See Sentences 3.2.2.20.(2) to 3.2.2.81.(1) of Table 3.9.1.1.
(3)	See Sentences 3.2.2.20.(2) to 3.2.2.81.(1) of Table 3.9.1.1.
10.3.2.3. Spatial Separation and Exposure Protection	
(1)	See Sentences 3.2.3.1.(1) to 3.2.3.20.(4) of Table 3.9.1.1.
(2)	See Sentences 3.1.10.1.(1) to 3.1.10.7.(2) of Table 3.9.1.1.
10.3.2.4. Fire Alarm and Detection Systems	
(1)	See Sentences 3.2.4.1.(1) to 3.2.4.21.(5) of Table 3.9.1.1.

10.3.2.5. Provisions for Firefighting	
(1)	See Sentences 3.2.5.7.(1) to 3.2.5.19.(1) of Table 3.9.1.1.
10.3.2.6. Additional Requirements for High Buildings	
(1)	See Sentences 3.2.6.2.(1) to 3.2.6.10.(1) of Table 3.9.1.1.
10.3.2.7. Emergency Power for Firefighting	
(1)	See Clause 3.2.7.9.(1)(b) of Table 3.9.1.1.
10.3.3.1. Access to Exit	
(1)	See Sentences 3.3.1.1.(1) to 3.3.1.25.(1) of Table 3.9.1.1.
10.3.3.2. Separation of Suites	
(1)	See Sentences 3.1.7.1.(1) to 3.1.7.5.(3) and Sentence 3.3.1.1. of Table 3.9.1.1.
10.3.3.3. Barrier-Free Floor Areas	
(1)	See Article 3.3.1.7. of Table 3.9.1.1.
10.3.4.1. Dimensions and Protection of Exits and Exit Stairs	
(1)	(a) [F10, F12-OS1.5]
	(b) [F05-OS1.2]
	(b) [F05-OP1.2]
(2)	[F02, F05-OS1.2]
	[F02, F05-OP1.2]
(3)	[F02, F05-OS1.2]
	[F02, F05-OP1.2]
10.3.4.2. Direction of Door Swing	
(1)	[F10-OS3.7]
10.3.4.3. Curved Exit Stairs	
(1)	(a) [F02, F05-OS1.5]
	(a)[F02, F05-OS3.7]
10.3.6.1. Service Rooms and Vertical Service Spaces	
(1)	See Sentences 3.6.2.1.(1) to 3.6.3.4.(1) of Table 3.9.1.1.
10.3.7.1. Plumbing Facilities	
(1)	See Sentences 3.7.2.1.(1) to 3.7.2.9.(1) of Table 3.9.1.1.
10.3.8.2. Areas Requiring a Barrier-Free Path of Travel	
(1)	[F73-OA1]
10.3.8.3. Washroom	
(1)	See Article 3.8.2.3. of Table 3.9.1.1.
10.3.8.4. Ramps	
(1)	[F73-OA1]
10.4.1.3. Live Loads due to Earthquakes	
(1)	[F20-OP1.2]
	[F20, F22-OP2.4]
	[F20-OS2.1]
10.7.1.1. Plumbing Systems	
(1)	[F70-OH2.2] [F71-OH2.3] [F72-OH2.1]

10.8.1.1. Application	
(1)	See Sentences 8.1.1.3.(1) to 8.2.3.2.(1) of Table 8.3.1.1.
10.9.2.1. Dimensions of Means of Egress and Direction of Door Swing	
(1)	See Sentences 9.9.3.2.(1) to 9.9.3.4.(2) of Table 9.36.1.1.
(2)	[F10-OS3.7]
10.9.2.2. Fire Protection of Exits and Separation of Public Corridors	
(1)	See Sentences 9.9.4.2.(1) to 9.9.4.7.(1) of Table 9.36.1.1.
(2)	See Sentences 9.9.1.3.(1) to 9.10.23.(3) of Table 9.36.1.1.
10.9.2.3. Flame Spread Limits in Means of Egress	
(1)	See Sentences 9.10.17.1.(1) to 9.10.17.(2) of Table 9.36.1.1.
10.9.3.1. Spatial Separation and Exposure Protection	
(2)	[F02, F03-OP1.2]
	[F02, F03-OP3.1]
10.9.3.2. Fire Alarm and Detection System	
(1)	(b) See Sentences 9.10.18.1.(1) to 9.10.18.7.(1) of Table 9.36.1.1.

(1) Note to Table 10.10.1.1.: See Parts 2 and 3 of Division A.

1.07. The Code is amended in Division C of Volume 1

(1) by replacing "2.2.7. Review of Work" in the Table of Contents of Part 2 by "2.2.7. Declaration of Construction Work";

(2) by replacing "2.3.1. Documentation of Alternative Solutions" in the Table of Contents of Part 2 by "2.3.1. Approval of Alternative Solutions";

(3) in Article 2.2.2.1., by replacing Sentences (2) and (3) by the following:

"(2) Plans and specifications shall be required for construction work on a *building*, part of a *building* or equipment intended for use by the public to which Chapter I of the Construction Code applies when information is required with regard to the work under Subsections 2.2.2. to 2.2.6.

(3) Plans shall be drawn to scale and shall, with the specifications, indicate the nature and extent of the work or proposed *occupancy* in sufficient detail to establish that, when completed, the work and the proposed *occupancy* will conform to the Code referred to in section 1.01 of Chapter I of the Construction Code.

(4) When proposed work is modified during construction, information on the changes shall conform to the requirements of this Section.";

(4) in Article 2.2.4.2., by striking out "submitted with the application to build" in Sentence (1);

(5) in Article 2.2.4.3., by striking out "submitted with the application to build" in Sentence (1);

(6) in Article 2.2.4.6.

(a) by striking out "submitted with the application to build or excavate" in Sentence (1);

(b) by replacing Sentence (2) by the following:

"(2) Evidence that justifies the information on the drawings shall be available for verification purposes.";

(7) by replacing Subsection 2.2.7. by the following:

"**2.2.7. Declaration of Construction Work**

2.2.7.1. Application

(1) The general contractor or, in the general contractor's absence, the specialized contractor or the owner-builder shall declare to the Régie du bâtiment du Québec all construction work performed on a *building* or facility intended for use by the public and to which Chapter I of the Construction Code applies.

(2) Sentence (1) does not apply to construction work declared under subparagraph 1.1 of the first paragraph of section 120 of the Act respecting land use planning and development (R.S.Q., c. A-19.1) or under another chapter of the Construction Code or maintenance or repair work to which Chapter I of the Construction Code applies.

2.2.7.2. Sending of the Declaration

(1) The declaration required under Article 2.2.7.1. shall be sent to the Régie du bâtiment du Québec not later than the twentieth day of the month following the date on which work starts.

2.2.7.3. Form

(1) The declaration of work is permitted to be made on the form provided by the Régie du bâtiment du Québec or on any other document clearly and legibly completed for that purpose.

2.2.7.4. Content

(1) The declaration shall contain

(a) the address of the *building* or facility intended for use by the public, if applicable, and the lot number of the site where the work is performed,

(b) the name, address and telephone number of the person for whom the work is performed,

(c) the name, address, telephone number and licence number of the contractor or owner-builder,

(d) the estimated start and end dates of the construction work,

(e) the nature and type of the work,

(f) the *occupancy* of the *building* or facility intended for use by the public, its classification under the Code, the number of *storeys* and *building area*, and

(g) the name, address and telephone number of the person who prepared the plans and specifications relating to the construction work.";

(8) by replacing Subsection 2.3.1. by the following:

"**2.3.1. Approval of Alternative Solutions**

2.3.1.1. Conditions for Approval

(1) The proposed alternative solutions shall be approved by the Régie du bâtiment du Québec on the conditions it sets pursuant of section 127 of the Building Act (R.S.Q., c. B-1.1).".

1.08. The Code is amended in Division A of Volume 2

(1) by inserting "and be approved by the Board on the conditions it sets pursuant to section 127 of the Building Act" at the end of the first sentence of Note A-1.2.1.1.(1)(b);

(2) in Note A-1.4.1.2.(1)

(a) by inserting the following paragraph after the paragraph entitled Public Corridor:

"**Residential board and care occupancy**

In this Code,

"be assisted" means direct support to a person physically or mentally unable to move or direct himself or herself in case of evacuation;

"lodge persons" means residence and other services provided to persons by a care occupancy;

"personal-support services" means services to compensate a temporary or permanent disability related to hygiene, food, maintenance, use of personal goods, movement of a person or rehabilitation and services for supervising medication or managing a possible crisis, emergency or evacuation of the building;

"rest home", "rehabilitation centre" or "residential and long-term care centre" means a residential and long-term care centre (CHSLD) within the meaning of section 83 of the Act respecting health services and social services (R.S.Q., c. S-4.2).

Note: A building or part of building is considered to be a residential board and care occupancy when the occupancy occupies more than 10% of the floor area and becomes, as provided in 3.2.2.8., a major occupancy.";

(b) by inserting the following paragraph before the paragraph entitled Exit:

"**Alteration**

An alteration does not include the types of work such as work required to bring the building into conformance with the regulations in force and the maintenance and repairs that do not affect the characteristics and functions of the elements involved. It does, however, include the following types of intervention:

(1) a change of occupancy without modification, including a change in the same Group or Division and resulting in

(a) an increase in occupant load,

(b) a new occupancy other than the occupancies in Groups D and F, Division 3, or

(c) a change from building to a high building,

(2) a change such as an addition, restoration, rehabilitation, renovation or retrofitting related to

(a) an increase in building height,

(b) an increase in building area,

(c) an increase in floor area,

(d) the creation of an interconnected floor space,

(e) the installation of a barrier-free access to a building or a barrier-free path of travel in the building,

(f) a modification of the provisions for firefighting, or

(g) a modification or addition affecting the safety and health conditions of a building or part of a building.".

1.09. The Code is amended in Division B of Volume 2

(1) by inserting reference "NFPA 92A-2006, Recommended Practice for Smoke-Control Systems, B-3.2.6.2.(3)" after reference NFPA 91-1999, Exhaust Systems for Air Conveying of Vapors, Gases, Mists and Noncombustible Particulate Solids A-6.2.2.5(1)" in the list of documents in Table A-1.3.1.2.(1);

(2) in Note A-3.1.2.1.(1)

(a) by inserting "Rehabilitation centres" after "Reformatories without detention quarters" in Group B, Division 2;

(b) by inserting "Residential board and care occupancy" after "Rehabilitation centres" in Group B, Division 2;

(c) by inserting "Rooming houses" after "Motels" in Group C;

(d) by inserting "Outfitting operations" after "Motels" and "Shelters" after "Schools, residential" in Group C;

(3) by striking out note A-3.2.4.18.(4);

(4) by inserting the following after note A-3.2.5.14.(1):

"**A-3.2.5.15.(1) Protected Service Spaces.** A permanent floor in a service space if need be may be used to store maintenance products and supplies, without frequent monitoring of the combustible content accumulated in the service space. Because access to the spaces is difficult for firefighting, the spaces must be protected by a sprinkler system. When the floor is only a walkway, the risk of significant accumulation of combustible content is considerably reduced, and this requirement no longer applies.";

(5) by adding the following after note A-3.4.1.6.(2):

"**A-3.4.2.1.(2) Minimum Number of Exits.** When the only exit is separated and leads to the outside at a level other than the level it serves, no other access door shall be installed at that exit at a storey other than the storey served unless the door is an exit door and the occupant load of all the spaces served that is permitted to access the exit is not more than 60. This requirement is necessary to reduce the risk of smoke filling the only exit serving the floor area or parts of floor areas having access to that only exit. (See Figure A-3.4.2.1.(2).)";

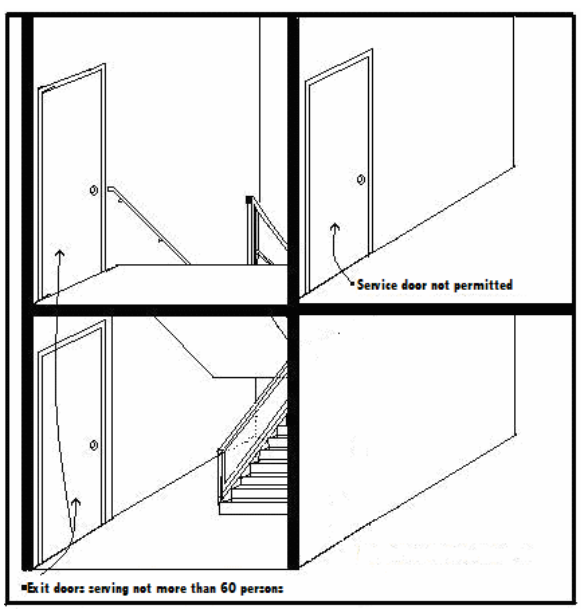


Figure A-3.4.2.1.(2)
Example of a configuration for a single exit

(6) by adding the following at the end of note A-3.8.1.2.:

"Service entrances such as those for delivery and receipt of goods, and those accessing Group F service rooms and workshops, need not be made accessible.";

(7) by striking out note A-3.8.2.2.;

(8) by inserting the following after note A-3.8.1.4.(1):

"**A-3.8.3.1.(5) Sign for Barrier-Free Parking.** Sign P-150-5 is represented in Schedule 1 to the Regulation respecting road signs, made by Minister's Order 1999 dated 15 June 1999. (See Figure A-3.8.3.1.(5)).

Figure A-3.8.3.1.(5)
Sign for barrier-free parking";

(9) by striking out note A-3.8.3.3.(2);

(10) by adding the following at the end of note A-3.8.3.3.(5):

"The electrical opening mechanism must prevent the closing of the door when a person is in the swing area. Mechanisms conforming to ANSI 156.10 include a device for stopping the door from closing to ensure the safety of users and reduce the risk of injury.";

(11) by inserting the following after note A-4.2.5.1.(1):

"**A-4.2.5.1.(2) Backfilling.** Certain granular material may swell under chemical reactions involving certain minerals constituting the granular material. A number of reactions involve iron sulphide (pyrite, pyrrhotite, etc.) and carbonates present, cristallizing the sulfates and the subsequent increase of volumes of the granular backfilling. The reactions are influenced by a number of factors, including the presence of clay mineral, that facilitate water absorption and oxidation of iron sulphides, particle-size distribution, water content of materials, the presence of bacteria and temperature.

The most prevalent characterization method of granular materials, the petrographic index for potential swelling, may be accepted to meet the requirement.

The method is described in the following documents:

— NQ 2560-500 Granulats – Détermination de l'indice pétrographique du potentiel de gonflement sulfatique des matériaux granulaires – méthode d'essai pour l'évaluation de l'IPPG,

— NQ 2560-510 Granulats – Guide d'application de la méthode d'essai pour la caractérisation du potentiel de gonflement sulfatique des matériaux granulaires.

The non-swelling rock accepted under the two standards is commonly called "DB certified rock" (DB for "dalle de béton).

Other methods, such as the chemically or biologically accelerated swelling test, may determine swelling but are less used because of the time required for the test.

Other granular materials from industrial processes, such as blast furnace slag, may also swell under certain conditions. Verifications are recommended before using granular materials in works sensitive to volumetric changes.";

(12) by replacing note A-9.7.1.5. by the following:

"**A-9.7.1.5. Height of Window Sills Above Floors or Ground.** This requirement is primarily designed to reduce the possibility of young children falling from a window. The requirement applies to dwelling units with mostly swinging or sliding windows. The choice of windows must therefore be made carefully because, even when equipped with special hardware, certain ajar windows may open wider with a simple push.

Swinging windows with rotating opening mechanisms are considered to be in conformance with Clause 9.7.1.5.(1)(b). To ensure the safety of older children, parents may easily remove the crank handles from the windows. The scissor opening mechanisms of awning windows, however, do not prevent these windows from being opened wide once unlocked. Sash windows are not considered safe if both sashes are mobile, because they provide openings at the top and bottom. This requirement prevents the use of sliding windows that do not have a device for limiting the opening.

The maximum opening of a window, 100 mm, and the maximum drop on the other side of a window to the ground, 600 mm, were determined according to the same principles that were applied for guards.";

(13) by inserting the following after note A-9.9.4.5.(1):

"**A-9.9.8.2.(2) Minimum Number of Exits.** When the only exit is separated and leads to the outside at a level other than the level it serves, no other access door shall be installed at that exit at a storey other than the storey served unless the door is an exit door and the occupant load of all the spaces served that is permitted to access the exit is not more than 60. This requirement is necessary to reduce the risk of smoke filling the only exit serving the floor area or parts of floor areas having access to that only exit. (See Figure A-3.4.2.1.(2).)";

(14) by inserting the following after note A-9.12.3.3.(1):

"**A-9.13.2.1.(3) Required Dampproof Protection.** The use of a protection membrane on the ground under floors protects against humidity, protects concrete against sulfate attack from the ground or subjacent granular materials and protects the occupants against the effects of soil gases such as radon.

Certain granular materials, including hornfels, may produce a significant quantity of sulfates likely to migrate by capillarity towards the underside of floors on ground and cause sulfatization of concrete. The following methods are recommended to protect concrete againstsulphate-laden humidity:

(a) the use of sulfate resistant concrete (Article 9.3.1.3.),

(b) the use of a vapour barrier (Article 9.13.4.2.),

(c) the use of clean coarse aggregates limiting capillarity effects and preventing migration of sulfates (Article 9.16.2.1.).";

(15) by inserting the following after note A-9.13.4.:

"**A-9.13.4.1.(1) Locations Likely to Constitute A Soil Gas Emanations Hazard.** A location may constitute a soil gas emanations hazard when it is situated in a zone identified by an authority having jurisdiction in a directive or report as a zone having soil that may emit soil gas emanations likely to exceed the level of harm prescribed by Health Canada. For example, in 1998, the Oka region was formally identified by the public health department as a zone having potential for emanations exceeding the prescribed level of harm.";

(16) by inserting the following after note A-9.15.3.4.(2):

"**A-9.16.2.2.(1) Support of Floors.** In a granular mixture, the fine portion of aggregates is generally composed, because of the manufacturing process, of more friable minerals that are more susceptible to fragmentation, alteration and swelling. Aggregates containing mostly fine materials are also more susceptible to swelling given the small intergranular space available for the formation of secondary minerals. A large quantity of fine material promotes the diffusion of humidity by capillarity (see A-9.13.2.1.(3)). It is preferable to limit the quantity of fine materials.";

(17) by striking out "This device would be acceptable in conjunction with a system designed in accordance with Article 9.32.3.6." in note A-9.32.3.3.(3)(d);

(18) by striking out note A-9.32.3.6.;

(19) by adding the following after note A-9.34.2.:

"**A-10.2.2.2.(3) Major or Minor Alteration**

The concepts of major or minor alteration are used for retrofitting. The term "retrofitting" means all the alteration work carried out in view of a different occupancy of the altered part. The alteration types, such as enlargement, change of major occupancy, alteration of shell or exterior element, increase in occupant load, construction of or change to a mezzanine or interconnected floor space, or the addition or alteration of a lift are not governed by this type of alteration since they are already governed by other requirements of Part 10.

A-10.3.4.1. Capacity of Exits Serving an Altered Part. Even if the exits must have a minimum width of 760 mm, the exits must comply, for the altered part they serve, with the minimum capacity prescribed in Article 3.4.3.4., calculated according to the occupant load under Subsection 3.1.17. of this Code.

If the calculation of the capacity results in the exits having a width larger than 760 mm, they should be changed or another exit should be added.

This provision refers to an alteration, other than a minor alteration, that does not include an exit.";

(20) by adding the following at the end of note B-3.2.6.2.(3):

"Standard NFPA-92A, "Recommended Practice for Smoke-Control Systems", suggests mechanical smoke control methods. These methods may be used as alternatives to venting required by this Article. Designers will, however, need to demonstrate that the method they propose under this standard satisfies the objectives of the Code.".

1.10. The Code is amended in Division C of Volume 2 by striking out Note A-2.3.1.

DIVISION IV
OFFENCE PROVISION

1.11. Every contravention against a provision of this Chapter constitutes an offence.".

DIVISION V
TRANSITIONAL AND FINAL

2. Despite section 1.02, the provisions of Chapter I of the Construction Code made by Order in Council 953-2000 dated 26 July 2000 may be applied to the construction of a building or its alteration, as defined in that Chapter, provided that

(*a*) the preliminary plans and specifications received written confirmation of compliance with the program established before 15 August 2008 under section 25 of the Regulation respecting building construction by establishments, regional councils and the Corporation d'hébergement du Québec, approved by Conseil du trésor Decision 148183 dated 10 January 1984; or

(*b*) the plans and specifications are submitted to a municipality for the purpose of obtaining the building permit before 13 November 2008.

The work, however, must begin before 17 November 2009.

3. This Regulation comes into force on 17 May 2008.

8615

Gouvernement du Québec

O.C. 294-2008, 19 mars 2008

Building Act
(R.S.Q., c. B-1.1)

Construction Code
— Chapter III – Plumbing
— Amendment

Regulation to amend the Construction Code

WHEREAS, under section 173 of the Building Act (R.S.Q., c. B-1.1), amended by section 59 of chapter 10 of the Statutes of 2005, the Régie du bâtiment du Québec is to adopt by regulation a construction code containing building standards for buildings, facilities intended for use by the public, installations independent of a building and petroleum equipment installations or their vicinity;

WHEREAS, under section 189 of the Act, a regulation of the Board is subject to approval by the Government which may approve it with or without amendment;

WHEREAS the Board adopted the Regulation to amend the Construction Code attached to this Order in Council;

WHEREAS, in accordance with sections 10 and 11 of the Regulations Act (R.S.Q., c. R-18.1), a draft of the Regulation to amend the Construction Code was published in Part 2 of the *Gazette officielle du Québec* of 11 July 2007 with a notice that it could be approved by the Government, with or without amendment, on the expiry of 45 days following that publication;

WHEREAS the comments received have been examined;

WHEREAS it is expedient to approve the Regulation with amendments;

IT IS ORDERED, therefore, on the recommendation of the Minister of Labour:

THAT the Regulation to amend the Construction Code, attached to this Order in Council, be approved.

GÉRARD BIBEAU,
Clerk of the Conseil exécutif

Regulation to amend the Construction Code*

Building Act
(R.S.Q., c. B-1.1, ss. 16, 173, 176, 176.1, 178, 179, 185, 1st par., subpars. 2.1, 3, 6.3, 7, 20, 36, 37 and 38, and s. 192; 2005, c. 10, ss. 59, 62 and 63)

1. The Construction Code is amended by replacing Chapter III by the following:

"CHAPTER III
PLUMBING

DIVISION I
INTERPRETATION

3.01. In this Chapter, unless the context indicates otherwise, "Code" means the "National Plumbing Code of Canada 2005" (NRCC 47668) and the "Code national de la plomberie " Canada 2005" (CNRC 47668F), published by the Canadian Commission on Building and Fire Codes, National Research Council of Canada, as well as all subsequent amendments and later editions that may be published by that organization.

Despite the foregoing, amendments and new editions published after 1 July 2008 apply to construction work only as of the date that is the last day of the sixth month following the month of publication of the French text of the amendments or editions.

DIVISION II
APPLICATION OF THE NATIONAL PLUMBING CODE

3.02. Subject to the amendments made by this Chapter, the Code applies to all construction work on a plumbing system in a building or facility intended for use by the public to which the Building Act (R.S.Q., c. B-1.1) applies.

3.03. A reference in this Chapter to the NBC (National Building Code) is a reference to the Code as adopted by Chapter I of the Construction Code.

DIVISION III
AMENDMENTS TO THE CODE

3.04. The Code is amended in Division A

(1) by replacing Article 1.1.1.1. by the following:

"**1.1.1.1. Application of the NPC**

(1) The NPC applies to the construction work performed on a plumbing system in every building and facility intended for use by the public as provided in section 3.02 of Chapter III of the Construction Code made pursuant to the Building Act (see Appendix A).

(2) In accordance with the NBC, every building shall, except as provided by Sentence (3), have plumbing facilities.

(3) If a hot water system is required under the NBC, the facility shall

(a) provide an adequate hot water supply, and

(b) be installed in conformance with this Chapter.";

(2) in Article 1.2.1.1., by replacing Clause (b) of Sentence (1) by the following:

"(b) using alternative solutions that will achieve at least the minimum level of performance required by Division B in the areas defined by the objectives and functional statements attributed to the applicable acceptable solutions approved by the Régie du bâtiment in accordance with section 127 of the Building Act (R.S.Q., c. B-1.1) (see Appendix A).";

(3) in Sentence (1) of Article 1.4.1.2.,

(a) by inserting the following after the definition of "Combustible":

"*Construction Code* means the *Construction Code* made pursuant to the Building Act (R.S.Q., c. B-1.1).";

(b) by inserting ", retention pit" after "sump" in the definition of "*Storm building drain*";

* The Construction Code, approved by Order in Council 953-2000 dated 26 July 2000 (2000, *G.O.* 2, 4203), was last amended by the regulation approved by Order in Council 577-2007 dated 27 June 2007 (2007, *G.O.* 2, 1953). For previous amendments, refer to the *Tableau des modifications et Index sommaire*, Québec Official Publisher, 2007, updated to 1 September 2007.

(c) by replacing the definition of "*Potable*" by the following:

"*Potable* means water intended for human consumption."

(d) by replacing the definition of "*Suite*" by the following:

"*Suite** means a single room or series of rooms of complementary use, operated under a single tenancy and includes *dwelling units*, individual guest rooms in motels, hotels, rooming houses, boarding houses, dormitories and single-family dwellings, as well as individual stores and individual or complementary rooms for business and personal services occupancies.";

(e) by replacing the definition of "*Occupancy*" by the following:

"*Occupancy** means the use or intended use of a *building* or part thereof.";

(f) by replacing the definition of "*Public use*" by the following:

"*Public use* (as applying to the classification of plumbing fixtures) means fixtures installed in locations other than those designated as *private use*.";

(4) in Article 3.2.1.1., by inserting the following in Sentence (1) after the functional statement "F21 To limit or accommodate dimensional change.":

"**F23** To maintain equipment in place during structural movement.";

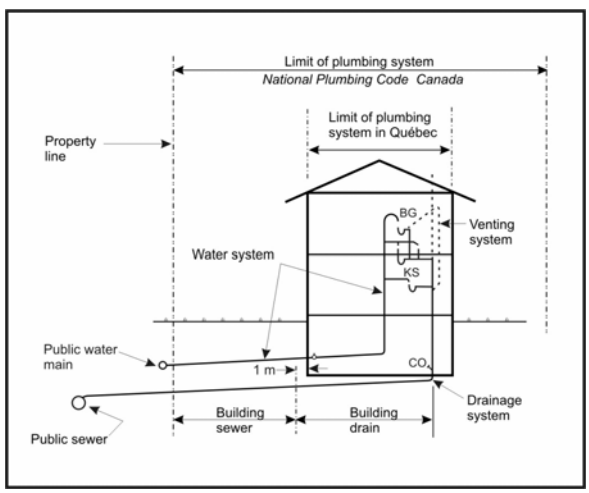
(5) in Article 3.2.1.1., by inserting the following in Sentence (1) after the functional statement "F46 To minimize the risk of contamination of *potable* water.":

"**F60** To control the accumulation and pressure of surface water, groundwater and sewage.

F61 To resist the ingress of precipitation, water or moisture from the exterior or from the ground.";

(6) in note A-1.4.1.2.(1) of Appendix A, by replacing Figure A-1.4.1.2.(1)-L by the following:

"



".

3.05. The Code is amended in Division B,

(1) in Table 1.3.1.2. of Article 1.3.1.2.,

(a) by inserting the following references:

"

ASME	A112.1.2-2004	Air Gaps in Plumbing Systems	2.2.10.22.(1)
ASME	A112.6.3-2001	Floor and Trench Drains	2.2.10.19.(2)
ASME	A112.6.4-2003	Roof, Deck, and Balcony Drains	2.2.10.20.(2)

"

before the reference:

"

ANSI/ ASME	B16.3-1998	Malleable-Iron Threaded Fittings	2.2.6.6.(1)

";

(b) by inserting the following references:

"

ANSI/CSA	ANSI Z21.10.1-2004/CSA 4.1-2004	Gas Water Heaters – Volume I, Storage Water Heaters with Input Ratings of 75,000 Btu Per Hour or Less	2.2.10.13.(1)
ANSI/CSA	ANSI Z21.10.3-2004/CSA 4.3-2004	Gas Water Heaters – Volume III, Storage Water Heaters with Input Ratings Above 75,000 Btu Per Hour, Circulating and Instantaneous	2.2.10.13.(1)

"

before the reference:

"

ANSI/CSA	ANSI Z21.22-1999/CSA 4.4-M99	Relief Valves for Hot Water Supply Systems	2.2.10.11.(1)

";

(c) by inserting the following references:

"

ASTM	A268/A268M-05a	Standard Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service	2.2.6.10.(1)
ASTM	A269-07	Standard Specification for Seamless and Welding Austenitic Stainless Steel Tubing for General Service	2.2.6.10.(1)
ASTM	A270-03a	Standard Specification for Seamless and Welded Austenitic Stainless Steel Sanitary Tubing	2.2.6.10.(1)
ASTM	A312/A312M-05a	Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes	2.2.6.10.(1)

"

after the reference:

"

ASTM	A53/53M-02	Pipe, Steel, Black and Hot-Dipped, Zinc – Coated, Welded and Seamless	2.2.6.7.(4)

";

(d) by inserting the following references:

“

AWS	AWS A5.8/ A5.8M: 2004	Specification for Filler Metals for Brazing and Braze Welding	2.2.9.2.(1)
BNQ	NQ 2622-126 (1999)	Reinforced Concrete and Unreinforced Concrete Pipes and Monolithic Lateral Connections for Evacuation of Domestic Wastewater and Storm Water	2.2.5.3.(1)
BNQ	NQ 3623-085 (2002)	Ductile-Iron Pipes for Pressure Piping Systems – Characteristics and Test Methods	2.2.6.4.(1)
BNQ	NQ 3624-027 (2000) (Modificatif N° 1/03)	Tuyaux et raccords en polyéthylène (PE) – Tuyaux pour le transport des liquides sous pression – Caractéristiques et méthodes d’essais	2.2.5.5.(1)
BNQ	NQ 3624-120 (2006)	Polyethylene (PE) Plastic Pipe and Fittings – Smooth Inside Wall Open or Closed Profile Pipes for Storm Sewer and Soil Drainage – Characteristics and Test Methods	2.2.5.10.(1)
BNQ	NQ-3624-130 (1997) (Modificatif N° 1/98) (Modificatif N° 2/01)	Unplasticized Poly(Vinyl Chloride) (PVC) Rigid Pipe and Fittings, 150 mm in Diameter or Smaller, for Underground Sewage Applications	2.2.5.10.(1)
BNQ	NQ-3624-135 (2000)	Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings – Pipes of 200 mm to 600 mm in Diameter for Underground Sewage and Soil Drainage – Characteristics and Test Methods	2.2.5.10.(1)
BNQ	NQ 3624-250 (2000)	Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings – Rigid Pipe for Pressurized Water Supply and Distribution – Characteristics and Test Methods	2.2.5.8.(1)
BNQ	NQ 3632-670 (2005)	Backwater and Check Valves for Sewage Systems – Characteristics and Test Methods	2.2.10.18.(1)

”

after the reference:

“

ASTM	F 714-03	Polyethylene (PE) Plastic Pipe (SCR-PR) Based on Outside Diameter	2.2.5.6.(1)

”;

(e) by replacing the reference:

“

CSA	CAN/CSA-B64-10-01	Manual for the Selection and Installation of Backflow Prevention Devices	2.6.2.1.(3)(2)

”

by the following references:

“

CSA	CAN/CSA-B64-10-01 including Supplement B64.10S1-04	Manual for the Selection and Installation of Backflow Prevention Devices	2.6.2.1.(3)(2) 2.6.2.1.(4)

CSA	CAN/CSA-B64-10.1-01 including Supplement B64.10S1-04	Manual for the Maintenance and Field Testing of Backflow Prevention Devices	2.6.2.1.(4)

”;

(f) by inserting the following reference:

“

CSA	CSA-B79-05	Floor Drains, Area Drains, Shower Drains, and Cleanouts in Residential Construction	2.2.10.19.(1)

”

after the reference:

“

CSA	CSA-B70-02	Cast Iron Soil Pipe, Fittings, and Means of Joining	2.2.6.1.(1) 2.4.6.4.(2)

”;

(g) by replacing the reference:

“

CSA	CSA-B125.3-05	Plumbing Fittings	2.2.10.6.(1) 2.2.10.7.(2) 2.2.10.10.(2)

”

by the following reference:

“

CSA	CSA B125.3-05	Plumbing Fittings	2.2.10.6.(1) 2.2.10.6.(2) 2.2.10.7.(2) 2.2.10.10.(2) 2.2.10.21.(1)

”;

(h) by replacing the reference:

“

CSA	CSA-B137.10-02	Crosslinked Polyethylene/Aluminum/ Crosslinked Polyethylene Composite Pressure-Pipe Systems	2.2.5.14.(1)

”

by the following reference:

“

CSA	CAN/CSA-B137.10-02	Crosslinked Polyethylene/Aluminum/ Crosslinked Polyethylene Composite Pressure-Pipe Systems	2.2.5.13.(3) 2.2.5.14.(1)

”;

(i) by inserting the following reference:

“

CSA	CSA B140.12-03	Oil-Burning Equipment: Service Water Heaters for Domestic Hot Water, Space Heating, and Swimming Pools	2.2.10.13.(1)

”

after the reference:

“

CSA	CAN/CSA-B137.11-02	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications	2.2.5.15.(1)

”;

(j) by replacing the reference:

“

CSA	CAN/CSA-B181.1-02	ABS Drain, Waste, and Vent Pipe and Pipe Fittings	2.2.5.10.(1) 2.2.5.11.(1) 2.2.5.12.(1) 2.4.6.4.(2)

”

by the following reference:

“

CSA	CAN/CSA-B181.1-02	ABS Drain, Waste, and Vent Pipe and Pipe Fittings	2.2.5.10.(1) 2.2.5.11.(1) 2.2.5.12.(1) 2.2.10.18.(1)

”;

(k) by replacing the reference:

“

CSA	CAN/CSA-B181.2-02	PVC Drain, Waste, and Vent Pipe and Pipe Fittings	2.2.5.10.(1) 2.2.5.11.(1) 2.2.5.12.(1) 2.4.6.4.(2)

”

by the following reference:

“

CSA	CAN/CSA-B181.2-02	PVC Drain, Waste, and Vent Pipe and Pipe Fittings	2.2.5.10.(1) 2.2.5.11.(1) 2.2.5.12.(1) 2.2.10.18.(1)

”;

(l) by replacing the reference:

“

CSA	CAN/CSA-B182.1-02	Plastic Drain and Sewer Pipe and Pipe Fittings	2.2.5.10.(1) 2.4.6.4.(2)

”

by the following reference:

“

CSA	CAN/CSA-B182.1-02	Plastic Drain and Sewer Pipe and Pipe Fittings	2.2.5.10.(1) 2.2.10.18.(1)

”;

(m) by inserting the following references:

“

CSA	CSA B481 Series-07	Grease Interceptors Drinking Water Treatment Systems	2.2.3.2.(3)(1) 2.2.10.17.(2)
CSA	CAN/CSA-B483.1-07		2.2.10.17.(3)

”

after the reference:

“

CSA	CAN/CSA-B356-00	Water Pressure Reducing Valves for Domestic Water Systems Supply	2.2.10.12.(1)

”;

(n) by inserting the reference:

“

CSA	CAN/CSA-C22.2 110-94 (R2004)	Construction and Test of Electric Storage-Tank Water Heaters	2.2.10.13.(1)

”

after the reference:

“

CSA	CAN/CSA- B602	Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe	2.2.10.4.(2)

”;

(o) by inserting the following references:

“

MSS	SP-58-2002	Pipe Hangers and Supports – Materials, Design, and Manufacture	2.2.10.23(1)
ANSI/MSS	SP-69-2003	Pipe Hangers and Supports - Selection and Application	2.3.4.1.(4)
NSF	NSF/ANSI 53-2007e	Drinking Water Treatment Units - Health Effects	2.2.10.17.(1)
NSF	NSF/ANSI 55-2007	Ultraviolet Microbiological Water Treatment Systems	2.2.10.17.(1)
NSF	NSF/ANSI 62-2004	Drinking Water Distillation Systems	2.2.10.17.(1)

”

after the reference:

“

CSA	G401-01	Corrugated Steel Pipe Products	2.2.6.8.(1)

”;

(2) in Article 1.3.2.1

(a) by inserting the following after "ASTM… American Society for Testing and Materials International (100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959 U.S.A.; www.astm.org)":

"AWS…American Welding Society (550 N.W. LeJeune Road, Miami, Florida 33126 U.S.A.; www.aws.org)";

(b) by inserting the following after "AWWA…American Water Works Association (6666 West Quincy Avenue, Denver, Colorado 80235 U.S.A.; www.awwa.org)":

"BNQ…Bureau de normalisation du Québec (333, rue Franquet, Québec, (Québec) G1P 4C7; www.bnq.qc.ca)";

(c) by replacing "NBC… National Building Code of Canada 2005 (see CCBFC)" by the following:

NBC… National Building Code of Canada within the meaning of section 1.01 of Chapter I of the *Construction Code*, as amended by this Chapter";

(d) by inserting the following after "MSC… Meteorological Service of Canada [formerly AES – Atmospheric Environment Service] (Environment Canada, 4905 Dufferin Street, Toronto, Ontario M3H 5T4; www.msc-smc.ec.gc.ca)":

"MSS…Manufacturers Standardization Society of the Valve and Fittings Industry (127 Park Street, N.E., Vienna, Virginia 22180 U.S.A.; www.mss-hq.com)";

(e) by inserting the following after "NPC… National Plumbing Code of Canada 2005 (see CCBFC)" and "NRC… National Research Council of Canada (Ottawa, Ontario K1A 0R6; www.nrc-cnrc.gc.ca) respectively:

"NQ…Québec standard" and

"NSF…NSF International (PO Box 130140, Ann Arbor, Michigan 48113-0140, U.S.A.; www.nsf.com)";

(3) in Article 2.1.2.3., by replacing "Every" in Sentence (1) by "Except as provided in Clause (a) of Sentence 2.7.3.2 (1), every";

(4) by adding the following after Subsection 2.1.3.:

"**2.1.4. Structural Movement**

2.1.4.1. Structural Movement

(1) *Plumbing systems* of *buildings* subject to Chapter I of the *Construction Code* and to which Part 4 of Division B of the NBC applies shall be designed and installed to accommodate the maximum relative structural movement provided for in the construction of the *building*. (See Article 4.1.3.5., Subsection 4.1.8., Sentence 4.1.3.3.(2) and Article A-6.2.1.3. of the NBC for information on the types of structural movements that may be encountered.)";

(5) in Article 2.2.3.1., by adding the following after Sentence (5):

"(6) A deep *trap seal depth* shall be not less than 100 mm.";

(6) in Article 2.2.3.2., by adding the following after Sentence (2):

"(3) Every grease interceptor shall conform to CSA B481 Series, Grease Interceptors.";

(7) in Article 2.2.5.3., by inserting the following after Clause (b) of Sentence (1):

"(c) NQ 2622-126, Tuyaux et branchements latéraux monolithiques en béton armé et non armé pour l'évacuation des eaux d'égout domestique et pluvial.";

(8) in Article 2.2.5.5., by replacing Sentence (1) by the following:

"(1) Polyethylene water pipe, tubing, and fittings shall conform to Series 160 of

(a) CAN/CSA-B137.1, Polyethylene Pipe, Tubing, and Fittings for Cold-Water Pressure Services, or

(b) NQ 3624-027, Tuyaux et raccords en polyéthylène (PE) - Tuyaux pour le transport des liquides sous pression - Caractéristiques et méthodes d'essais.";

(9) in Article 2.2.5.8., by replacing Clause (a) of Sentence (1) by the following:

"(a) conform to

(i) CAN/CSA B137.3, Rigid Polyvinyl Chloride (PVC) Pipe for Pressure Applications, or

(ii) NQ 3624-250, Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings – Rigid Pipe for Pressurized Water Supply and Distribution – Characteristics and Test Methods, and";

(10) in Article 2.2.5.10.,

(a) by striking out "or" at the end of Clause (g) of Sentence (1);

(b) by adding the following after Clause (h) of Sentence (1):

"(i) NQ 3624-120, Polyethylene (PE) Plastic Pipe and Fittings – Smooth Inside Wall Open or Closed Profile Pipes for Storm Sewer and Soil Drainage – Characteristics and Test Methods,

(j) NQ 3624-130, Tuyaux et raccords rigides en poly (chlorure de vinyle) (PVC) non plastifié, de diamètre égal ou inférieur à 150 mm, pour égouts souterrains, or

(k) NQ 3624-135, Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings – Pipes of 200 mm to 600 mm in Diameter for Underground Sewage and Soil Drainage – Characteristics and Test Methods.";

(11) in Article 2.2.5.13.,

(a) by inserting "with a nominal pressure not more than 690 kPa and a nominal temperature not more than 82°C" after "PE/AL/PE pipe and fittings" in Sentence (2);

(b) by adding the following after Sentence (2):

"(3) PE/AL/PE composite pipe with a nominal pressure not less than 690 kPa and a nominal temperature not less than 82°C are permitted to be used in a hot *water system* with connections conforming to CAN/CSA-B137.10, Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene Composite Pressure-Pipe Systems.";

(12) in Article 2.2.6.4., by replacing Sentence (1) by the following:

"(1) Cast-iron water pipes shall conform to

(a) ANSI AWWA-C151/A21.51, Ductile-Iron Pipe, Centrifugally Cast, for Water, or

(b) NQ 3623-085, Ductile-Iron Pipes for Pressure Piping Systems – Characteristics and Test Methods.";

(13) by adding the following after Article 2.2.6.9.:

"**2.2.6.10. Stainless Steel Pipes**

(1) Stainless steel pipe and fittings shall conform to

(a) ASTM-A268/A268M, Standard Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service,

(b) ASTM-A269, Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service,

(c) ASTM-A270, Standard Specification for Seamless and Welded Austenitic Stainless Steel Sanitary Tubing, or

(d) ASTM-A312/A312M, Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes.";

(14) in Article 2.2.9.2.,

(a) by replacing the title "**Solders and Fluxes**" by "**Solders, Fluxes and Brazing Alloys**";

(b) by replacing Sentence (4) by the following:

"(4) Alloys used for brazing shall conform to AWS A5.8/A5.8M, Specification for Filler Metals for Brazing and Braze Welding, within the BCuP range, depending on the recommended use.";

(c) by striking out Sentence (5);

(15) in Article 2.2.10.5., by inserting ", except at the point of connection to a standpipe system" after "*water systems*" in Sentence (1);

(16) in Article 2.2.10.13.,

(a) by striking out "**Solar Domestic**" in the title;

(b) by replacing Sentence (1) by the following:

"(1) Service water heaters shall conform to

(a) ANSI Z21.10.1/CSA 4.1, Gas Water Heaters - Volume I, Storage Water Heaters With Input Ratings of 75,000 Btu Per Hour or Less,

(b) ANSI Z21.10.3/CSA 4.3, Gas Water Heaters - Volume III, Storage Water Heaters With Input Ratings Above 75,000 Btu Per Hour, Circulating and Instantaneous,

(c) CAN/CSA-C22.2 No. 110, Construction and Test of Electric Storage-Tank Water Heaters,

(d) CSA B140.12, Oil-Burning Equipment: Service Water Heaters for Domestic Hot Water, Space Heating, and Swimming Pools, or

(e) CAN/CSA-F379.1, Solar Domestic Hot Water Systems (Liquid to Liquid Heat Transfer).";

(17) by adding the following after Article 2.2.10.16.:

"**2.2.10.17. Potable Water Treatment Units**

(1) *Potable* water disinfection units using ultraviolet designed to meet the requirements of the Regulation respecting the quality of drinking water, made by Order in Council 647-2001 dated 30 May 2001, shall conform to one of the following standards:

(a) NSF/ANSI 55, Ultraviolet Microbiological Water Treatment Systems, or

(b) CAN/CSA B483.1, Drinking Water Treatment Systems, if they are designed to be installed at the point of use.

(2) Reverse osmosis *potable* water treatment systems installed at the point of use and designed to meet the requirements of the Regulation respecting the quality of drinking water shall conform to CAN/CSA B483.1, Drinking Water Treatment Systems.

(3) *Potable* water distillation systems designed to meet the requirements of the Regulation respecting the quality of drinking water shall conform to one of the following standards:

(a) NSF/ANSI 62, Drinking Water Distillation Systems; or

(b) CAN/CSA B483.1, Drinking Water Treatment Systems, if they are desgined to be installed at the point of use.

(4) *Potable* water treatment units not referred to in Sentences (1) to (3) and designed to meet the requirements of the Regulation respecting the quality of drinking water shall conform to one of the following standards:

(a) NSF/ANSI 53, Drinking Water Treatmment Units – Health Effects, or

(b) CAN/CSA B483.1, Drinking Water Treatment Systems, if they are designed to be installed at the point of use.

(5) *Potable* water treatment units not referred to in Sentences (1) to (4) shall conform to CAN/CSA B483.1, Drinking Water Treatment Systems.";

2.2.10.18. Backwater Valves

(1) *Backwater valves* shall conform to

(a) CAN/CSA-B70, Cast Iron Soil Pipe, Fittings, and Means of Joining,

(b) CAN/CSA-B181.1, ABS Drain, Waste, and Vent Pipe and Pipe Fittings,

(c) CAN/CSA-B181.2, PVC Drain, Waste,and Vent Pipe and Pipe Fittings,

(d) CAN/CSA-B182.1, Plastic Drain and Sewer Pipe and Pipe Fittings,

(e) NQ 3632-670, Backwater and Check Valves for Sewage Systems.

2.2.10.19. Floor Drains and Shower Drains

(1) Floor drains, including *emergency floor drains*, and shower drains installed in an individual house shall conform to CSA-B79, Floor Drains, Area Drains, Shower Drains, and Cleanouts in Residential Construction.

(2) Floor drains, including *emergency floor drains*, and shower drains installed in an *occupancy* other than an individual house shall conform to ASME A112.6.3, Floor and Trench Drains.

2.2.10.20. Roof Drains

(1) Roof drains shall conform to ASME A112.6.4, Roof, Deck, and Balcony Drains.

2.2.10.21. Trap Seal Primer Devices

(1) Trap seal primer devices shall conform to CAN/CSA-B125.3, Plumbing Fittings.

2.2.10.22. Air Gaps

(1) Prefabricated *air gaps* shall conform to ASME A112.1.2, Air Gaps in Plumbing Systems.

2.2.10.23. Pipe Hangers and Supports

(1) Prefabricated pipe hangers and supports shall conform to MSS SP-58, Pipe Hangers and Supports – Materials, Design, and Manufacture.";

(18) in Article 2.3.3.10., by adding the following after Sentence (1):

"(2) Except as required by Sentence (3), underground copper piping joints shall be composed of flared or compression joints or be braze-welded.

(3) Compression joints shall not be used underground inside a *building*.";

(19) in Article 2.3.4.1.,

(a) by inserting "and every valve" after "*fixture*" in Sentence (3);

(b) by adding the following after Sentence (3):

"(4) Pipe hangers and supports shall be selected according to ANSI/MSS SP-69, Pipe Hangers and Supports – Selection and Application.";

(20) in Article 2.4.2.1.,

(a) by striking out "or" at the end of Sublause (v) of Sentence (1);

(b) by inserting the following after Subclause (vi) of Clause (e) of Sentence (1):

"(vii) a drain or overflow from a swimming or wading pool and deck floor drains, or

(viii) a drain from an elevator, dumbwaiter or elevating device pit.";

(c) by replacing Sentence (2) by the following:

"(2) Where the upper vertical part of an offset *soil-or-waste stack* receives water from *fixtures* from more than one storey, a connection in that offset *soil-or-waste stack* shall not be less than

(a) 1.5 m downstream from the base of the upper section of the *soil-or-waste stack* or from another connection receiving *sewage* from another *soil-or-waste stack* connected to the *offset*, and

(b) 600 mm higher or lower than the *nominally horizontal offset* in the upper or lower vertical section of an offset *soil-or-waste stack*.

(See Appendix A.)";

(d) by adding the following after Sentence (4):

"(5) Every connection at the bottom of a *soil-or-waste stack* shall not be less than

(a) 1.5 m in a *building drain* or a *branch* receiving *sewage* from the *soil-or-waste stack*,

(b) 600 mm from the top of the *building drain* or *branch* to which the *soil-or-waste stack* is connected.

(See Appendix A.)

(6) Every *trap arm* of a floor drain or a fixture without a flushing system shall have a *nominally horizontal* part not less than 450 mm in *developed length*, measured between the *trap* and its connection to a *nominally horizontal* soil-or-waste pipe. The *developed length* of the *trap arm* of a floor drain shall be increased to 1.5 m if it is connected not more than 3 m downstream from the bottom of a *soil-or-waste stack* or a *leader*.

(See Appendix A.)

(7) If a soil-or-waste pipe receives *sewage* containing detergent suds, no other soil-or-waste pipe shall be connected to the soil-or-waste pipe near a change of direction of the soil-or-waste pipe of more than 45°, over a length not less than

(a) 40 times the size of the soil-or-waste pipe receiving the *sewage* containing the detergent suds before changing direction, or

(b) 10 times the size of the soil-or-waste pipe receiving the *sewage* containing the detergent suds after changing direction.

(See Appendix A.)

(8) Where a vent pipe is connected into one of the detergent suds zones of a soil-or-waste pipe referred to in Sentence (7), no other vent pipe shall be connected to that vent pipe over a length equal to 40 times the size of the soil-or-waste pipe, measured from a change of direction.

(See Appendix A.)";

(21) by adding the following after Article 2.4.3.6.:

"**2.4.3.7. Retention Pit**

(1) A retention pit shall be made of concrete or be approved in accordance with Article 2.2.3.1. of Division C. It must be made in one piece, be leakproof and smooth inside. Its length shall not be less than 600 mm and its minimum width shall not be less than 450 mm, the length being taken in the direction of its *fixture drain*. A round retention pit shall be not less than 600 mm in size.

(2) The *fixture drain* of the retention pit shall be not less than 3 inches in *size* and be protected by a reversed sanitary T fitting with a *cleanout* at the end or by a deep *seal trap* with *cleanout*. The *fixture drain* shall be 4 inches in *size* if the retention pit receives *storm water*. Despite the foregoing, for a single-family house, the *fixture drain* may be 3 inches in *size*. No mechanical fitting shall be used inside a retention pit.

(3) A reversed sanitary T fitting shall be located inside the retention pit and the deep *seal trap* may be located inside or outside the retention pit. In the last case, the *trap cleanout* shall be extended to the floor level.

(4) The lower end of the reversed sanitary T fitting shall be placed 200 mm or more from the bottom of the retention pit. For a deep *seal trap*, the upper end of the *trap* shall be placed not less than 300 mm from the bottom of the retention pit.

(5) The retention pit shall be covered, at the floor or ground level, by a cast iron or steel cover not less than 6 mm thick or any other material conforming to the Code.

(6) The *fixture drain* of a retention pit exposed to frost shall have a *trap* inside the building, unless it drains into another retention pit that is not exposed.

(7) The *fixture drain* of a retention pit shall be directly connected to the *sanitary drainage system* and drain into it by gravity or in the manner described in Article 2.4.6.3.

(8) The invert of a discharge pipe connected to a retention pit shall be higher than the crown of the *fixture drain*.

(9) A retention pit with a *fixture drain* 4 inches in *size* for a draining area of 370 m^2 shall be provided. For a *fixture drain* more than 4 inches in *size*, the drained area may be increased by 280 m^2 by additional inch.

(10) A check valve is permitted to be installed inside a retention pit provided it is extended by a length equal to the length of the valve.

(11) The requirements relating to the fall and ventilation of trap arms do not apply to the *fixture drain* serving a retention pit.";

(22) by replacing Article 2.4.5.3. by the following:

"**2.4.5.3. Connection of Subsoil Drainage Pipe to a Drainage System**

(1) Where a *subsoil drainage pipe* is connected to a *drainage system*, the connection shall be made on the upstream side of a *trap* with a *cleanout*, a trapped sump or a retention pit. (See Appendix A.)";

(23) in Article 2.4.5.4., by adding the following after Sentence (1):

"(2) No *sanitary drainage system* or *combined building drain* shall have a *building trap*.";

(24) in Article 2.4.5.5., by adding the following after Sentence (1):

"(2) Water from the *trap* seal of a floor drain in a *dwelling unit* need not be maintained by a *trap* seal primer.

(See Appendix A.)";

(25) in Article 2.4.6.4., by replacing Sentence (2) by the following:

"(2) A *backwater valve* may be installed in a *building drain* if

(a) it is of a "normally open" design, and

(b) it does not serve more than one *dwelling unit*.";

(26) by striking out Article 2.4.6.5.;

(27) in Article 2.5.2.1.,

(a) by replacing "Table 2.5.2.1." in Clause (a) of Sentence (1) by "Article 2.5.8.1.";

(b) by replacing Clause (d) of Sentence (1) by the following:

"(d) the *trap arms* of the WCs connected to a vertical pipe are connected downstream from all other *fixtures*,";

(c) by replacing Clause (j) of Sentence (1) by the following:

"(j) the portion of the *soil-or-waste stack* including a *wet vent* that extends above more than one *storey* is the same *size* as its bottom to the uppermost connection of a *fixture*.";

(d) by striking out Table 2.5.2.1.;

(28) in Article 2.5.8.1.,

(a) by replacing "Table 2.5.8.1." in Sentence (1) by "Tables 2.5.8.1.A. and 2.5.8.1.B.";

(b) by inserting the following before Table 2.5.8.1.:

"Table 2.5.8.1.A.
Maximum Permitted Hydraulic Loads
Drained to a Wet Vent Serving
Fixtures on the same Storey
Forming Part of Sentence 2.5.8.1.(1)

Size of *Wet Vent* of a *Storey*, inches	Maximum Hydraulic Load, *fixture units*
1 ¼	1
1 ½	2
2	5
2 ½	8
3	18
4	120

";

(c) by replacing the title of Table 2.5.8.1. by "Table 2.5.8.1.B.";

(29) in Article 2.6.1.1., by adding the following after Sentence (3):

"(4) In a hot water distribution system with a recirculation loop, the temperature of the water in the loop shall not be less than 55°C when the water is circulating. (See note A-2.6.1.12.(1).)

(5) The recirculation loop referred to in Sentence (4) may operate intermittently.

(6) The recirculation loop referred to in Sentence (4) may be replaced by a self-regulating heat tracing system.";

(30) in Sentence (10) of Article 2.6.1.7.,

(a) by replacing "The" in the part of the Sentence preceding Clause (a) by "Except as provided in Clause (d), the";

(b) by replacing Clause (a) by the following:

"(a) be not less than 50 mm larger than the walls of the *service water heater* and have side walls not less than 75 mm high,";

(c) by replacing ", and" in Clause (b) by ", without being less than 1¼ inches,";

(d) by inserting the following in Clause (c):

"(d) not be required to have a *fixture drain* where the relief valve discharge pipe conforms to Sentence (5).";

(31) in Article 2.6.1.9., by replacing Sentence (1) by the following:

"(1) *Water distribution systems* shall be protected against water hammers by prefabricated water-hammer arresters.

(See Appendix A.)";

(32) in Article 2.6.1.12., by replacing Sentence (1) by the following:

(1) The temperature control device of storage-type service water heaters shall be set so that the temperature of stored water is not less than 60°C. (See Appendix A.)";

(33) in Article 2.6.2.1., by adding the following after Sentence (3):

"(4) In the case of *backflow preventers* that, according to CSA B64.10, require testing after installation, the person testing the *backflow preventers* shall hold a certificate issued in accordance with section 4 of CSA B64.10.1. by an organization or association certified by AWWA.";

(34) in Article 2.6.2.4.,

(a) by replacing Sentence (2) by the following:

"(2) Except as required by Sentence (4), *potable water system* connections to fire sprinkler and standpipe systems shall be protected against *backflow* caused by *back-siphonage* or *back pressure* in conformance with Clauses (a) to (g):

(a) *residential partial flow-through fire sprinkler/standpipe systems* in which the pipes and fittings are constructed of *potable water system* materials shall be protected by a dual *check valve backflow preventer* conforming to one of the following standards:

i) CAN/CSA-B64.6.1, Backflow Preventers, Dual Check Valve Type for Fire Systems (DuCF), or

ii) CAN/CSA-B64.6, Dual Check Valve (DuC) Backflow Preventers,

(b) *Class 1 fire sprinkler/standpipe systems* shall be protected by a single *check valve backflow preventer* or by a dual *check valve backflow preventer*, provided that the systems do not use antifreeze or other additives of any kind and that the pipes and fittings are constructed of *potable water system* materials. The *backflow preventer* shall conform to one of the following standards:

i) CAN/CSA-B64.9, Single Check Valve Backflow Preventers for Fire Protection Systems (SCVAF), or

ii) CAN/CSA-B64.6, Dual Check Valve (DuC) Backflow Preventers,

(c) *Class 1 fire sprinkler/standpipe systems* not covered by Clause (b) as well as *Class 2* and *Class 3 fire sprinkler/standpipe systems* shall be protected by a double *check valve backflow preventer*, provided that the systems do not use antifreeze or other additives of any kind. The *backflow preventer* shall conform to one of the following standards:

i) CAN/CSA-B64.5.1, Double Check Valve Backflow Preventers for Fire Protection Systems (DCVAF), or

ii) CAN/CSA-B64.5, Double Check Valve (DCVA) Backflow Preventers,

(d) *Class 1*, *Class 2* and *Class 3 fire sprinkler/standpipe systems* in which antifreeze or other additives are used shall be protected by a reduced pressure principle *backflow preventer*, installed on the portion of the system that uses the additives and the balance of the system shall be protected as required by Clauses (b) or (c). The *backflow preventer* shall conform to one of the following standards:

i) CAN/CSA-B64.4.1, Reduced Pressure Principle Backflow Preventers for Fire Protection Systems (RPF), or

ii) CAN/CSA-B64.4, Reduced Pressure Principle (RP) Backflow Preventers,

(e) *Class 4* and *Class 5 fire sprinkler/standpipe systems* shall be protected by a reduced pressure principle *backflow preventer* conforming to one of the following standards:

i) CAN/CSA-B64.4.1, Reduced Pressure Principle Backflow Preventers for Fire Protection Systems (RPF), or

ii) CAN/CSA-B64.4, Reduced Pressure Principle (RP) Backflow Preventers,

(f) *Class 6 fire sprinkler/standpipe systems* shall be protected by a double *check valve backflow preventer* conforming to one of the following standards:

i) CAN/CSA-B64.5.1, Double Check Valve Backflow Preventers for Fire Protection Systems (DCVAF), or

ii) CAN/CSA-B64.5, Double Check Valve (DCVA) Backflow Preventers,

(g) Where a potentially severe health hazard may be caused by *backflow*, *Class 6 fire sprinkler/standpipe systems* shall be protected by a reduced pressure principle *backflow preventer* conforming to one of the following standards:

i) CAN/CSA-B64.4.1, Reduced Pressure Principle Backflow Preventers for Fire Protection Systems (RPF), or

ii) CAN/CSA-B64.4, Reduced Pressure Principle (RP) Backflow Preventers.

(See Appendix A.)";

(b) by replacing Sentence (4) by the following:

"(4) Where a reduced pressure principle *backflow preventer* is required on a *water service pipe* at a fire service connection located on the same premises as the *fire service pipe* in *Class 3*, *4*, *5 and 6 fire sprinkler/standpipe systems*, a reduced pressure principle *backflow preventer* shall also be required on the fire service connection and conform to one of the following standards:

i) CAN/CSA-B64.4.1, Reduced Pressure Principle Backflow Preventers for Fire Protection Systems (RPF), or

ii) CAN/CSA-B64.4, Reduced Pressure Principle (RP) Backflow Preventers.";

(35) in Article 2.7.3.2., by replacing Clause (a) of Sentence (1) by the following:

"(a) a sink or lavatory, except in the case of a seasonal tourist establishment referred to in Chapter V.1 of the Regulation respecting the quality of drinking water.";

(36) in Table 2.8.1.1. of Article 2.8.1.1.,

(a) by adding the following after Article 2.1.3.2.:

2.1.4.1. Structural Movement	
(1)	[F23,F43-OS3.4]
	[F23-OH1.1, OH2.1, OH2.4, OH5]
	[F43-OH2.1, OH2.4, OH5]
	[F23, F43-OP5]

";

(b) by adding the following after Sentence 2.2.3.2.(2):

"

(3)	[F81-OH2.1,OH2.3,OH 2.4] [F46-OH2.2]

";

(c) by adding the following after Sentence 2.2.5.13.(2):

"

(3)	[F20-OP5]

";

(d) by adding the following after Article 2.2.6.9.:

“

2.2.6.10. Stainless Steel Pipes	
(1)	[F80-OH2.1,OH2.3,OH1.1] applies to *drainage systems* and *ventilation systems*
	[F46-OH2.2] applies to *water systems*
	[F80-OP5]

”;

(e) by replacing Sentences 2.2.9.2.(4) and 2.2.9.2.(5) by the following:

“

(4)	[F80-OH2.1, OH2.3,.1]
	[F80-OP5]

”;

(f) by replacing Article 2.2.10.13. by the following:

“

2.2.10.13. Service Water Heater	
(1)	[F46-OH2.2]
	[F80,F81-OP5]
	[F31, F81-OS3.2]
	[F43-OS3.4]

”;

(g) by adding the following after Article 2.2.10.16.(1):

“

2.2.10.17. Potable Water Treatment Units	
(1)	[F70,F81,F46-OH2.1, OH2.2, OH2.3]
(2)	[F70,F81,F46-OH2.1, OH2.2, OH2.3]
(3)	[F70,F81,F46-OH2.1, OH2.2, OH2.3]
(4)	F70,F81,F46-OH2.1, OH2.2, OH2.3]
(5)	F70,F81,F46-OH2.1, OH2.2, OH2.3]
2.2.10.18. Backwater Valves	
(1)	[F80-OH2.1]
2.2.10.19. Floor Drains and Shower Drains	
(1)	F80-OH2.1,OH2.4]
2.2.10.20. Roof Drains	
(1)	[F80-OP5]
	[F80-OS2.1]
2.2.10.21. Trap Seal Primers	
(1)	[F80-OH1.1]

2.2.10.22. Air Gaps	
(1)	[F80-OH2.1,OH2.2, OH2.3]
2.2.10.23. Pipe Hangers and Supports	
(1)	[F20-OH2.1]
	[F20-OS3.1]
	[F80-OP5]

";

(h) by adding the following after Sentence 2.3.3.10.(1):

"

(2)	[F20, F80-OP5]
(3)	[F20, F80-OP5]

";

(i) by adding the following after Sentence 2.3.4.1.(3):

"

(4)	[F20-OH2.1, OH2.4]
	[F20-OP5]
	[F20-OS3.1]

";

(j) by adding the following after Sentence 2.4.2.1.(4):

"

(5)	[F81-OH1.1]
(6)	F81-OH1.1]
(7)	F81-OH1.1]
(8)	[F81-0H1.1]

";

(k) by adding the following after Article 2.4.3.6.:

"

2.4.3.7. Retention Pit	
(1)	[F60,F61-OH1.1]
(2)	F81-OH1.1,OH2.1]
(3)	F81-OH1.1]
(4)	F81-OH1.1]
(5)	F40-OH1.1]
	[F30-OS3.1]
(6)	F81-OH2.1, OH2.3]
	[F81-OP5]

(7)	F81-OH2.1, OH2.2]
	[F72-OH2.1]
(8)	F81-OH2.1]
(9)	[F72-OH2.1]
	[F81-OS2.1]
	[F81-OP5]
(10)	F81-OH2.1]
(11)	[F81-OH1.1]

";

(l) by adding the following after Sentence 2.4.5.4.(1):

"

(2)	[F81-OH2.1]

";

(m) by adding the following after Sentence 2.4.5.5.(1):

"

(2)	[F81-OH1.1]

";

(n) by adding the following after Sentence 2.6.1.1.(3):

"

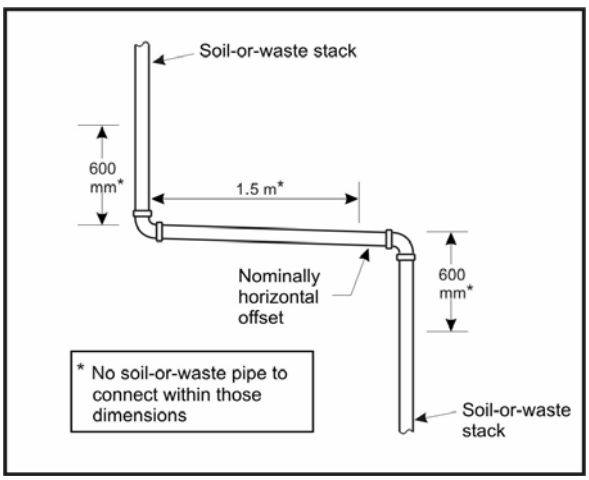
(4)	[F40-OH1.1]
(6)	[F40-OH1.1]

";

(37) by replacing "(3)" in the title of note A-2.2.10.9.(3) by "(4)";

(38) by replacing Figure A-2.4.2.1.(2) in note A-2.4.2.1.(2) by the following:

"



";

(39) by adding the following after note A-2.4.2.1.(4):

"**A-2.4.2.1.(5) Soil-or-Waste Pipe Connections**

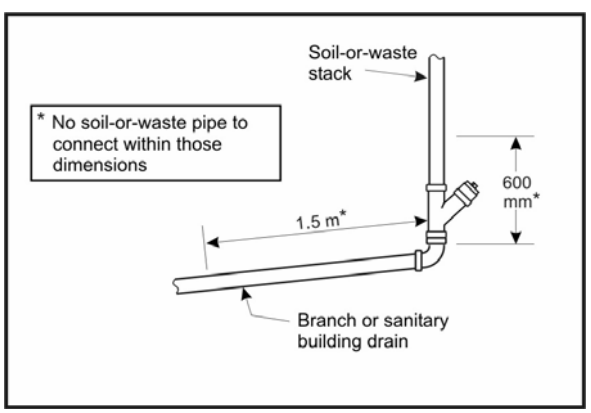


Figure A-2.4.2.1.(5)
Soil-or-Waste Pipe Connections.

A-2.4.2.1.(6) Soil-or-Waste Pipe Connections

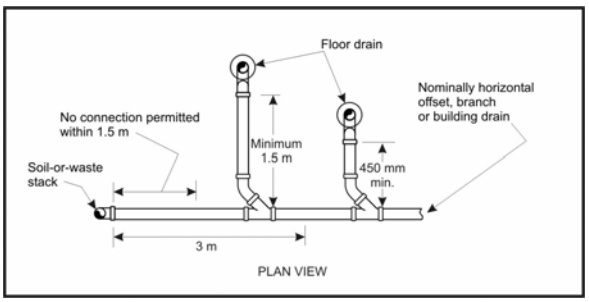


Figure A-2.4.2.1.(6)
Soil-or-Waste Pipe Connections.";

"**A-2.4.2.1.(7) Suds Pressure Zones Connections**

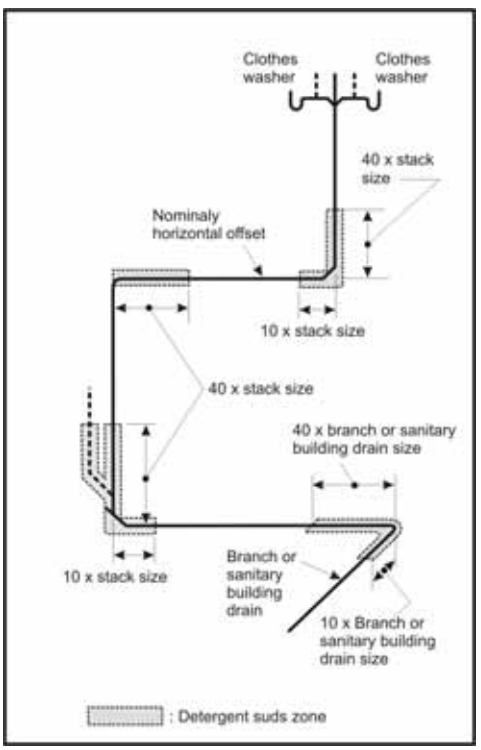


Figure A-2.4.2.1.(7)
Suds Pressure Zones Connections.";

(40) by adding the following after note A-2.4.3.3.(1):

"**A-2.4.3.7. Retention Pit**

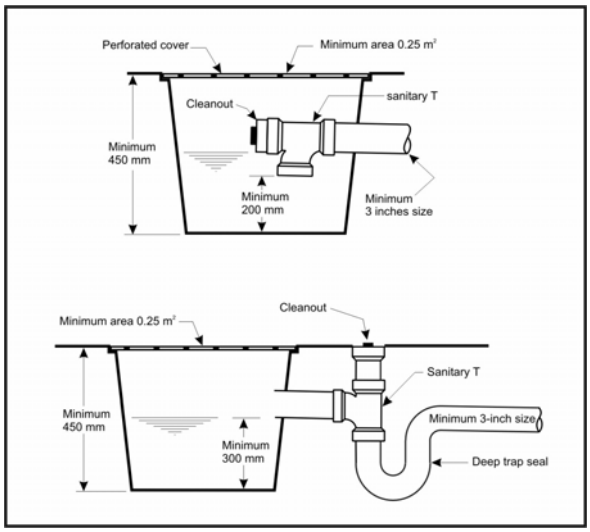


Figure A-2.4.3.7.
Retention Pit.";

(41) in note A-2.4.5.3.(1),

(a) by striking out "A trap or sump may be provided specifically for the subsoil drains, or the trap of a floor drain or storm water sump as shown in Figure A-2.4.5.3.(1) may be used.";

(b) by replacing Figure A-2.4.5.3.(1) by the following:

"

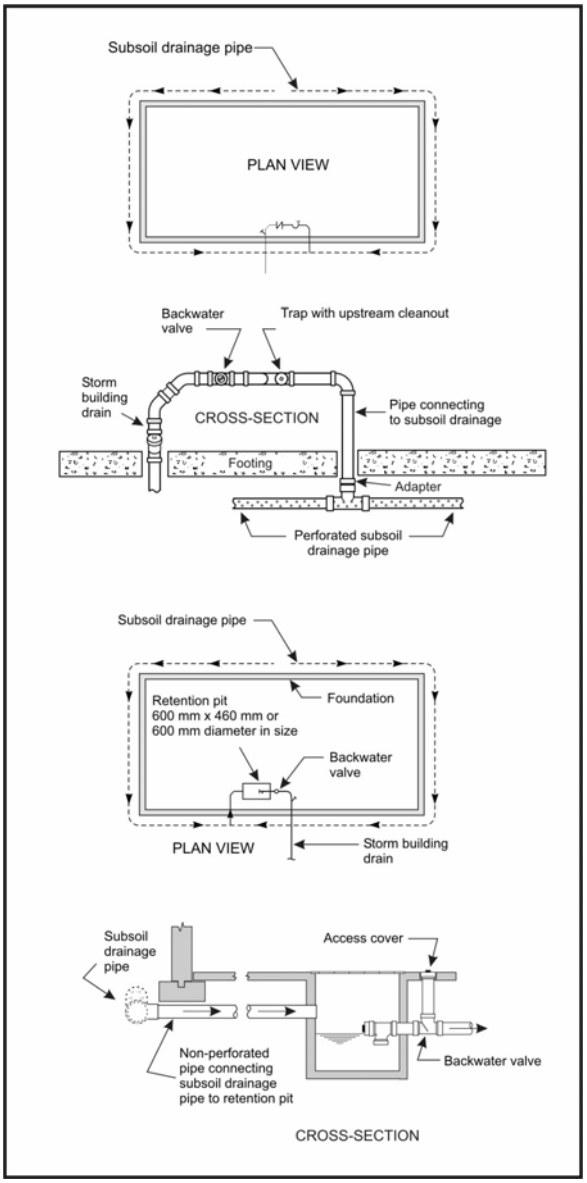


Figure A-2.4.5.3.(1)
Subsoil Drainage Connection.";

(42) by striking out note A-2.4.5.4.(1);

(43) in note A-2.4.5.5.(1), by striking out "Periodic manual replenishment of the water in a trap is considered to be an equally effective means of maintaining the trap seal in floor drains in residences.";

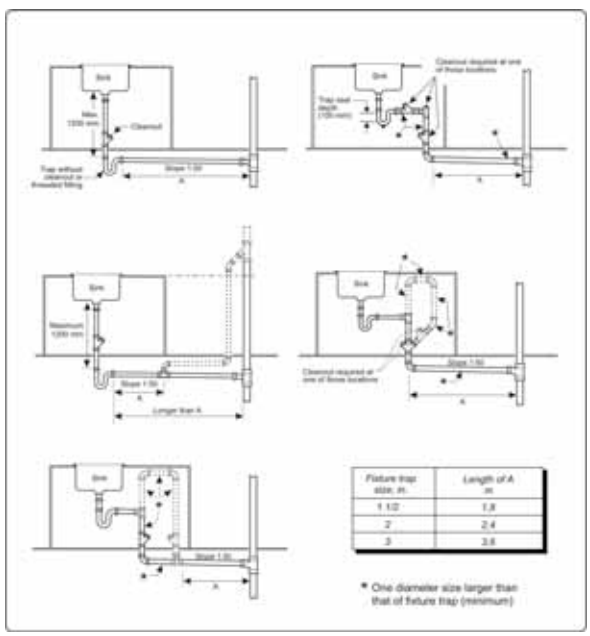
(44) by adding the following after note A-2.4.5.5.(1):

"**A-2.4.5.5.(2) Maintaining Trap Seals in Floor Drains in Dwelling Units.** Periodic manual replenishment of the water in a trap maintains the trap seal in floor drains in dwelling units.";

(45) in note A-2.4.8.2.(1)

(a) by replacing Figure A-2.4.8.2.(1) by the following:

"



";

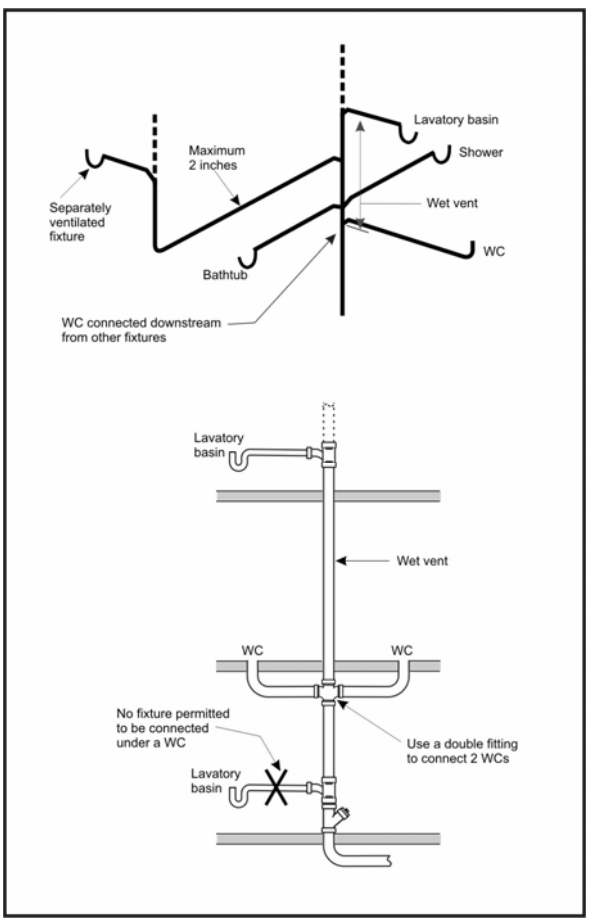
(b) by replacing the title of Figure A-2.4.8.2.(1) by the following:

"**Figure A-2.4.8.2.(1)**
Island Fixture Installation.";

(46) in notes A-2.5.2.1 and 2.5.3.1.,

(a) by replacing Figures A-2.5.2.1. and 2.5.3.1.-C by the following:

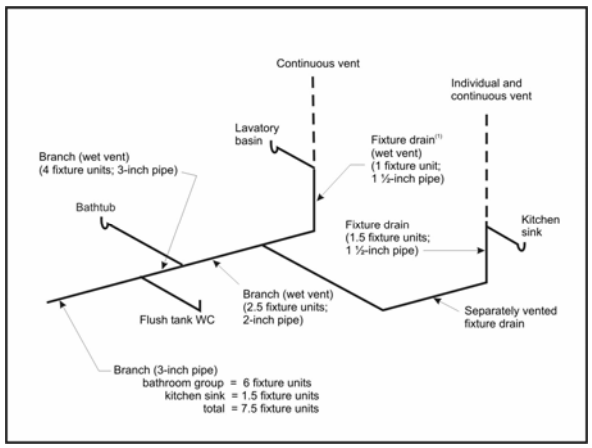
"



";

(b) by replacing Figures A-2.5.2.1. and 2.5.3.1.-E by the following:

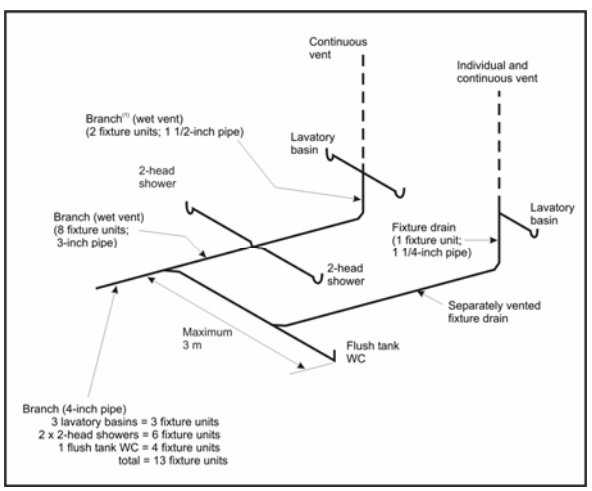
“



”;

(c) by replacing Figures A-2.5.2.1. and 2.5.3.1.-F by the following:

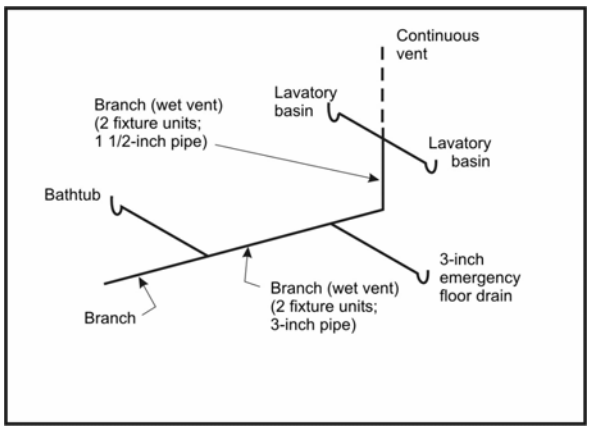
“



”;

(d) by replacing Figures A-2.5.2.1. and 2.5.3.1.-L by the following:

“



”;

(47) by replacing note A-2.6.1.12.(1) by the following:

“**A-2.6.1.12.(1) Service Water Heater**

Water in a service water heater or a distribution system at a temperature not more than 60°C permits *Legionella* bacteria to survive and thrive. Water heated at a temperature equal to or greater than 60°C reduces bacterial contamination of the hot water distribution system. To do so, the thermostat must be set at different temperatures depending on the type of service water heater.”.

3.06. The Code is amended in Division C,

(1) by striking out Article 2.2.1.1.;

(2) by replacing Subsection 2.2.2. by the following:

“**2.2.2. Plans and Specifications**

2.2.2.1. Requirements

(1) A plumbing contractor or owner-builder may not begin construction work on a *plumbing system* to which Chapter III of the *Construction Code* applies

unless there are plans and specifications for the work, if the total hydraulic load to be installed exceeds 180 *fixture units*.

2.2.2.2. Content

(1) Plans shall be drawn to scale and show

(a) a plan view of the location and dimension of the drains and *cleanouts*, the location of *fixtures* and the *water distribution system*,

(b) an elevation view of the location of *fixtures* and *traps*, the dimension of drains, *leaders, soil-or-waste stacks* and vent stacks, as well as the *water distribution system*, and

(c) the connection of the *subsoil drainage pipe*.";

(3) by adding the following after Subsection 2.2.2.:

"**2.2.3. Approval of Materials**

2.2.3.1. Approved Materials, Fixtures and Facilities used in a Plumbing System

(1) In a *plumbing system*, only materials, fixtures or facilities that are certified or approved by one of the following organizations may be used:

(a) Canadian Gas Association (CGA),

(b) Bureau de normalisation du Québec (BNQ),

(c) CSA International (CSA),

(d) IAPMO Research and Testing Inc. (UPC),

(e) Underwriters' Laboratories of Canada (ULC),

(f) NSF International (NSF),

(g) Canadian General Standards Board (CGSB),

(h) Quality Auditing Institute (QAI),

(i) Intertek Testing Services NA Itd. (ITS),

(j) Underwriters Laboratories Inc. (UL),

(k) Water Quality Association (WQA),

(l) any other organization accredited by the Standards Council of Canada as a certifying organization in the field of plumbing which has notified the Board of its accreditation.

2.2.3.2. Sale and lease

(1) Materials, fixtures or facilities to be used in a *plumbing system* must be certified or approved by an organization listed in Sentence 2.2.3.1.(1) before being sold or leased.

2.2.4. Declaration of Work

2.2.4.1. Application

(1) A plumbing contractor shall declare to the Régie du bâtiment du Québec all construction work to which Chapter III of the *Construction Code* applies if the work pertains to a new *plumbing system* or requires the replacement of a *service water heater* or pipes.

2.2.4.2. Submission of the Declaration

(1) The declaration required under Article 2.2.4.1. shall be forwarded to the Board not later than the twentieth day of the month following the date on which work starts.

2.2.4.3. Form

(1) The declaration of work shall be made on the form provided by the Board or on any other document prepared for that purpose.

2.2.4.4. Content

(1) The declaration shall contain

(a) the address of the site where the work is performed,

(b) the name, address and telephone number of the person for whom the work is performed,

(c) the name, address, telephone number and licence number of the plumbing contractor,

(d) the estimated start and end dates of the construction work,

(e) the nature and type of the work,

(f) the *occupancy* of the *building* or facility intended for use by the public, the classification and building area under the code referred to in Chapter I of the *Construction Code*, and the existing and planned number of *storeys*, and

(g) the number of *fixtures* and *service water heaters* to be installed.

2.2.5. Fees Payable

2.2.5.1. Calculation

(1) The following fees shall be paid to the Board by the plumbing contractor when the plumbing contractor declares the construction work pertaining to *plumbing systems* for which a declaration is required under Article 2.2.4.1.:

(a) $129.53 for a new single-family detached or semi-detached house or row house,

(b) $78.41 per *dwelling unit* other than those referred to in Clause (a) for the construction of a new *building* intended for housing or for the conversion of a *building* of another nature into a *building* intended for housing, regardless of the number of *fixtures* and *service water heaters*, or

(c) in the case of work other than work referred to in Clauses (a) and (b),

(i) $10.39 per fixture *or* service water heater, *where the work is performed on more than one, or*

(ii) $17.84 where the work is performed on only one or no fixture *or* service water heater.

(2) A plumbing contractor or owner-builder shall pay the following inspection fees to the Board for the inspection of a *plumbing system* following the issue of a remedial notice provided for in section 122 of the Building Act:

(a) $87.49 for the first hour or any fraction thereof,

(b) half the hourly rate established in Clause (a) for each half-hour or fraction thereof added to the first hour.

(3) A plumbing owner-builder shall pay to the Board the inspection fees fixed in Clauses (a) and (b) of Sentence (2) for the inspection of a *plumbing system*.

(4) For the approval of a plumbing material, fixture or facility that cannot be certified or approved by one of the organizations listed in Article 2.2.3.1., approval fees corresponding to the amounts established in Clauses (a) and (b) of Sentence (2) shall be paid to the Board.

2.2.5.2. Sending

(1) The fees payable under Sentence 2.2.5.1.(1) shall be included with the declaration of work required under Article 2.2.4.1.

(2) The fees payable under Sentences 2.2.5.1.(2), (3) and (4) shall be paid to the Board not later than 30 days after the billing date.";

(4) by replacing Subsection 2.3.1. by the following:

"**2.3.1. Approval of Alternative Solutions**

2.3.1.1. Conditions for Approval

(1) The proposed alternative solutions shall be approved by the Board on the conditions it sets pursuant to section 127 of the Building Act (R.S.Q., c. B-1.1).".

DIVISION IV
OFFENCE PROVISION

3.07. Every contravention against a provision of this Chapter, except Subsection 2.2.5, introduced by paragraph 3 of section 3.06, constitutes an offence.".

2. This Regulation comes into force on the ninetieth day following the date of its publication in the *Gazette officielle du Québec*, except Article 2.2.3.2, introduced by paragraph 3 of section 3.06, which comes into force six months after the date of coming into force of this Regulation.

8614

Draft Regulations

Draft Regulation

Professional Code
(R.S.Q., c. C-26)

Nurses
— Diploma or training equivalence for the issue of a permit

Notice is hereby given, in accordance with sections 10 and 11 of the Regulations Act (R.S.Q., c. R-18.1), that the Regulation respecting diploma or training equivalence for the issue of a permit by the Ordre des infirmières et infirmiers du Québec, made by the Bureau of the Ordre des infirmières et infirmiers du Québec, may be submitted to the Government which may approve it, with or without amendment, on the expiry of 45 days following this publication.

The Regulation updates the standards for equivalence of diplomas issued by educational establishments situated outside Québec for the purpose of issuance of a permit by the Ordre des infirmières et infirmiers du Québec. It also introduces standards of equivalence of the training of a person who does not hold a diploma required for those purposes pursuant to paragraph *c* of section 93 of the Professional Code (R.S.Q., c. C-26).

The Regulation also introduces, pursuant to paragraph *c.*1 of section 93 of the Professional Code, an equivalence recognition procedure to enable a decision to be reviewed by persons other than those who made it.

The Order advises that the amendments will have no financial impact on enterprises, including small and medium-sized businesses.

Further information may be obtained by contacting Carmelle Marchessault, Director, Direction des services juridiques, Ordre des infirmières et infirmiers du Québec, 4200, boulevard Dorchester Ouest, Montréal (Québec) H3Z 1V4; telephone: 514 935-2501 or 1 800 363-6048; fax: 514 935-3147.

Any person wishing to comment on the draft Regulation may submit written comments to the Chair of the Office des professions du Québec, 800, place D'Youville, 10e étage, Québec (Québec) G1R 5Z3, within the 45-day period. The comments will be forwarded by the Office to the Minister responsible for the administration of legislation respecting the professions and may also be sent to the professional order that made the Regulation and to interested persons, departments and bodies.

JEAN PAUL DUTRISAC,
Chair of the Office des professions du Québec

Regulation respecting diploma or training equivalence for the issue of a permit by the Ordre des infirmières et infirmiers du Québec

Professional Code
(R.S.Q. c. C-26, s. 93, par. *c* and *c.*1)

DIVISION I
DEFINITIONS

1. In this regulation:

"diploma meeting permit requirements" means a diploma recognized, by regulation of the Government made under the first paragraph of section 184 of the Professional Code, as meeting the requirements for the permit issued by the Order (R.S.Q., c. C-26);

"diploma equivalence" means the recognition that a diploma issued by an educational establishment outside Québec certifies that the holder's level of knowledge and skills is equivalent to the level attained by the holder of a diploma meeting permit requirements;

"training equivalence" means the recognition that a person's training has enabled her to attain a level of knowledge and skills equivalent to that attained by the holder of a diploma meeting permit requirements.

DIVISION II
DIPLOMA EQUIVALENCE STANDARDS

2. A person holding a diploma conferred by an educational establishment outside Québec may be granted diploma equivalence if her diploma was obtained upon completion of a nursing program at least equivalent to the Québec college-level program meeting the following conditions:

1° it comprises a minimum of 2805 hours, including at least 2145 hours of specific training in nursing, as follows:

(a) a minimum of 615 hours in medical and surgical nursing;

(b) a minimum of 120 hours in mental health and psychiatric nursing;

(c) a minimum of 105 hours in adult and geriatric nursing;

(d) a minimum of 75 hours in perinatal nursing;

(e) a minimum of 90 hours in child and adolescent nursing;

(f) a minimum of 480 hours in biological science, including a total of at least 135 hours in microbiology, immunology and pharmacology;

(g) a minimum of 180 hours in social science.

2° at least 1035 of the 2145 hours of specific training must be devoted to clinical experience;

3° at least 240 of the 1035 hours of clinical experience must involve the consolidation of knowledge related to the legislative, ethical, organizational and sociocultural aspects of nursing practice in Québec.

3. Section 2 notwithstanding, when the diploma being examined for equivalence was obtained more than four (4) years prior to the date of application for equivalence, and, given new developments in the profession, the knowledge it attests to no longer corresponds to the knowledge that, at the time of the application, was included in a program of study meeting permit requirements, the person is granted equivalence pursuant to sections 4 and 5, provided she has acquired, since obtaining her diploma, the required level of knowledge and skills.

DIVISION III
TRAINING EQUIVALENCE STANDARDS

4. A person is granted training equivalence if she demonstrates that she possesses the knowledge and skills equivalent to those that may be acquired by the holder of a diploma meeting permit requirements.

5. In assessing training that is cited in support of an equivalence application, the following factors shall be considered:

(1) total years of education;

(2) the fact that the person holds one or more diplomas obtained in Québec or elsewhere;

(3) type of courses taken and course content;

(4) training periods served, and other ongoing or refresher training activities; and

(5) type, total length and period of time during which clinical experience was acquired.

DIVISION IV
PROCEDURE FOR GRANTING EQUIVALENCE

6. Persons who, for the purpose of obtaining a permit from the Order, wish to be granted diploma or training equivalence, shall apply therefor in writing, pay the processing fee prescribed by the Bureau of the Order, under paragraph 8 of section 86.0.1 of the Professional Code and provide:

1° a certified true copy of all diplomas they hold;

2° their school records, including their official transcript bearing the seal of the educational institution in question or a certified true copy thereof, a document detailing course content and training periods served, and the number of hours related to each of these;

3° a certified true copy of their birth certificate or, failing that, a photocopy of their passport;

4° as applicable, an official attestation that they are in good standing with the regulatory body of the territory within which they are authorized to practice;

5° official attestation and a description of their clinical experience in nursing, as the case may be;

6° any information or document pertaining to the factors that may be taken into consideration for purposes of section 5.

7. Documents or information submitted in support of an application for equivalence written in a language other than French or English must be accompanied by an official translation into French or English produced by a certified translator, or, if the translation was not produced in Québec, then by a translator recognized by the authorities in his or her province or country.

8. Applications for equivalence shall be sent to the Order registrar who will examine them and submit a recommendation to the Admission by Equivalence Committee.

For purposes of submitting a recommendation to the Admission by Equivalence Committee, the registrar may ask applicants to submit to an interview, serve a training period, write an examination or some combination thereof.

9. The Admission by Equivalence Committee may render either of the following decisions:

1° grant diploma or training equivalence;

2° deny diploma or training equivalence.

Within 15 days following its decision to grant or deny equivalence, the Admission by Equivalence Committee shall inform the person concerned, in writing.

If the committee denies equivalence, it must, at the same time, inform the person concerned in writing about study programs or additional training whose successful completion within the required deadline would enable training equivalence to be granted.

The Admission by Equivalence Committee formed by the Bureau, under paragraph 2° of section 86.0.1 of the Professional Code, shall be comprised of persons who are not members of the Bureau.

10. Persons informed of the Admission by Equivalence Committee's decision to deny equivalence may appeal such decision, provided that they submit a request, in writing, to the secretary of the Order within 30 days following receipt of the decision.

The Bureau of the Order must examine such request at its first regular meeting following the date on which it was received. Before rendering a decision, it must allow the person in question to state her case at this meeting.

For this purpose, the secretary of the Order shall send the person written notice, via registered mail, specifying the date, place and time of the meeting at which the request for appeal shall be examined, no less than 15 days before such meeting will be held.

Persons wishing to attend the meeting in order to state their case must so notify the secretary of the Order at least 5 days before the scheduled meeting date. They may, however, submit their comments to the secretary in writing at any time before the scheduled meeting date.

The decision of the Bureau is final and must be sent to the person concerned by registered mail within 30 days following the date of the meeting.

DIVISION V
FINAL AND TRANSITORY PROVISIONS

11. This regulation replaces the Regulation respecting the standards for a diploma equivalence or training equivalence for the issue of a permit by the Ordre des infirmières et infirmiers du Québec approved by Order-in-Council Number 847-97 of June 25, 1997.

12. Recommendations submitted to the Bureau, under section 8 of the Regulation respecting the standards for a diploma equivalence or training equivalence for the issue of a permit by the Ordre des infirmières et infirmiers du Québec approved by Order-in-Council Number 847-97 of June 25, 1997, and concerning which the Bureau has not rendered a decision by (*insert date on which this regulation comes into force*) shall be submitted to the committee as set out in section 8 of this regulation, so that it may render a decision in accordance with section 9 of this regulation. For this purpose, the Bureau shall replace any member of this committee who had participated in issuing such recommendations with a member of the Order who is not a member Bureau.

13. Decisions rendered under section 9 of the Regulation respecting the standards for a diploma equivalence or training equivalence for the issue of a permit by the Ordre des infirmières et infirmiers du Québec approved by Order-in-Council Number 847-97 of June 25, 1997 whose deadlines for appeal as set out in section 10 have not expired by (*insert date on which this regulation comes into force*) may be reviewed by the committee as set out in section 8 of this regulation. For this purpose, the Bureau shall replace any member of this committee who had participated in rendering such decisions under appeal with a member of the Order who is not a member of the Bureau.

Requests for appeal must be forwarded to the secretary of the Order within the deadline set out in section 10 of the Regulation respecting the standards for a diploma equivalence or training equivalence for the issue of a permit by the Ordre des infirmières et infirmiers du Québec approved by Order-in-Council Number 847-97 of June 25, 1997.

Before rendering a decision, the committee must allow the person in question to state her case. The third and fourth paragraphs of section 10 apply in this case.

The decision of the committee is final and must be sent to the person in question by registered mail within 30 days following the date on which it is rendered.

14. Appeals regarding which the Bureau has not rendered a decision by (*insert date on which this regulation comes into force*) shall be submitted to the committee specified in section 8 of this regulation for review. For this purpose, the Bureau shall replace any member of the committee with a member of the Order who is not a member of the Bureau.

The third and fourth paragraphs of section 13 apply in this case.

15. Persons who have been granted partial training equivalence by the Bureau, under section 9 or 10 of the Regulation respecting the standards for a diploma equivalence or training equivalence for the issue of a permit by the Ordre des infirmières et infirmiers du Québec approved by Order-in-Council Number 847-97 of June 25, 1997, and who have been informed of the program of study or additional training they must successfully complete before being granted training equivalence shall be given two years following the date this regulation comes into force to complete said program of study or additional training.

16. This regulation shall come into force on the fifteenth day following publication in the *Gazette officielle du Québec*.

8609

Index

Abbreviations: **A**: Abrogated, **N**: New, **M**: Modified